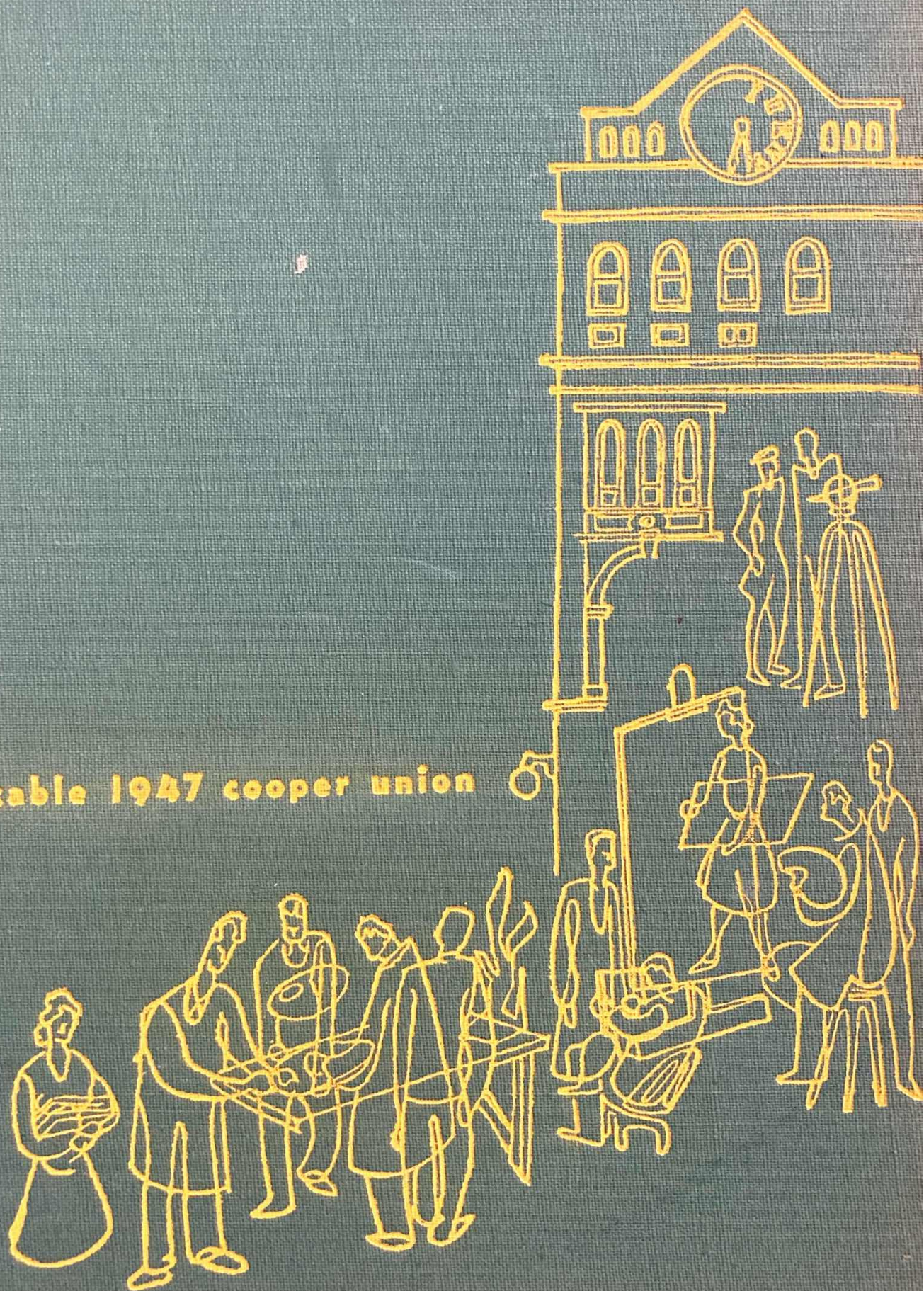


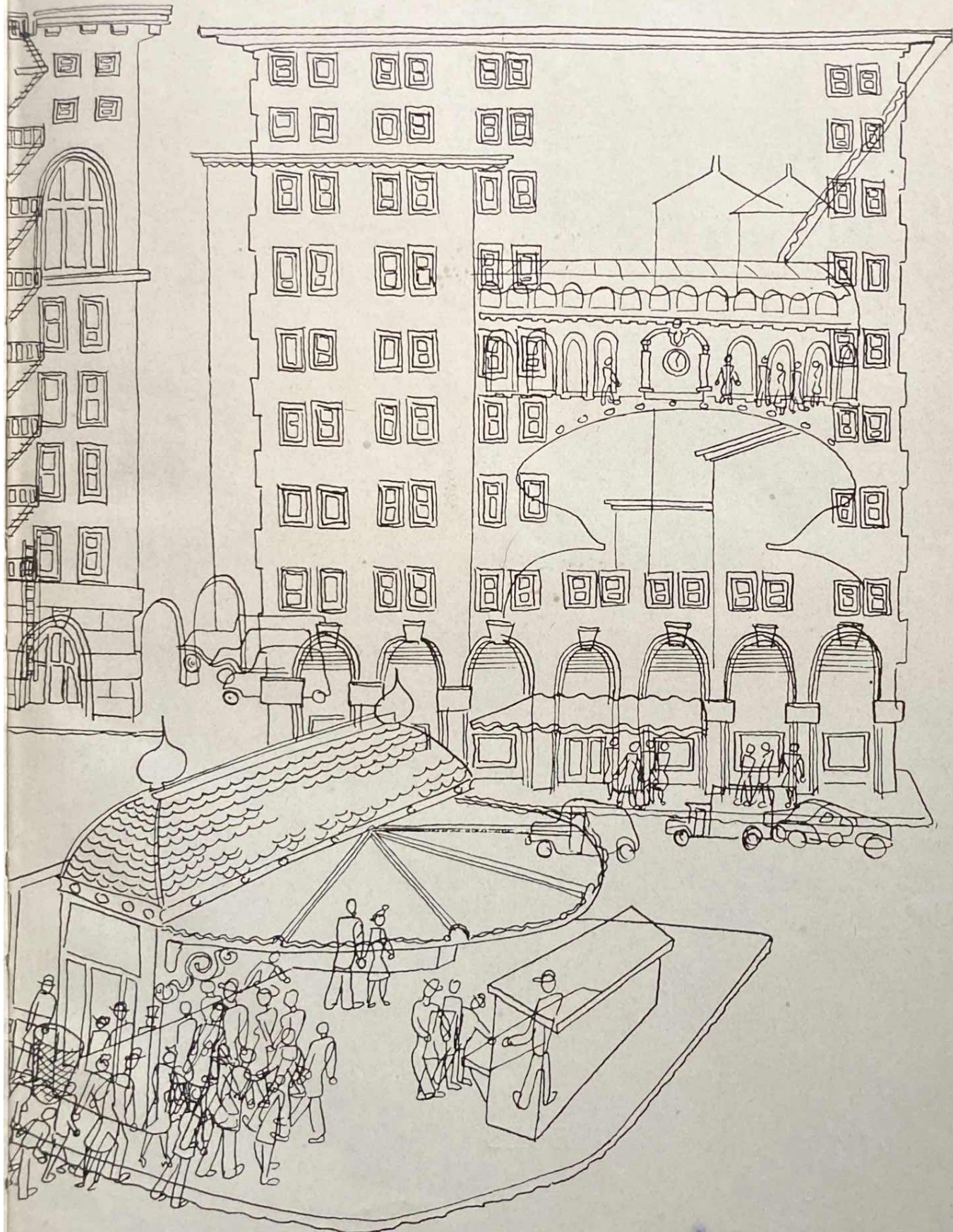
cable 1947 cooper union





Harold Grossman*editor*
Jerry Vidibor }*business*
Bob Shapiro }
Julie Simkins*literary*

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..... **cooper union, an institution where**

*students freely investigate and experiment in the arts
and sciences; a springboard from which tomorrow's
world citizens will apply their knowledge to the prac-
tical needs of the times*

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administration

DR. GARRETT MATTINGLY

Dr. Garrett Mattingly this year succeeded Dr. Houston Peterson as Head of the Social Philosophy Division. Dr. Mattingly was formerly a Lieutenant Commander in the Navy, and is widely known as a historian and author of several books, including "Catherine of Aragon," a Literary Guild selection. Dr. Peterson resigned to devote himself to writing and lecturing.

CALVIN S. HATHAWAY

Calvin S. Hathaway is back this year after four years of Army Service to become Curator of the Museum. Professor Hathaway served first in the Air Corps and finally as Captain in the Monuments, Fine Arts, and Archives Section of the Office of Military Government in Germany. While in service, he was responsible for uncovering a cache of looted art treasures hidden in a small village in the Austrian Tyrol.

PROFESSOR HAROLD LANCOUR

Professor Harold Lancour returned this year from service in the European theatre, where he was instructor in the Army's School for Librarians, to resume his duties as head of the Cooper Union Library. The Library, the first free reading room in New York City, now contains 125,000 books, many of them in the specialized field of Engineering and Art.



administration . . . administration

DR. EDWIN S. BURDELL

Dr. Edwin S. Burdell, Director of the Cooper Union, has, since his appointment to the directorship in 1938, become one of the nation's foremost champions of the educational philosophy known as Scientific Humanism. In addition, he is constantly active in committee work to improve and facilitate housing and city planning in New York City. Before coming to Cooper Union, he was Dean of Humanities at M.I.T.



DEAN GEORGE F. BATEMAN

Dean George F. Bateman personally interviewed scores of returning veterans this year to place them as quickly as possible in their proper classes. With the G.I.'s, many of them former Army or Navy radio and radar operators, Electrical Engineering proved the most popular choice. This year, the School of Engineering continued to expand its associations with industry, and to place increased emphasis upon humanistic studies, to provide a truly professional education for future engineers.



DEAN D. P. VAUGHAN

Dana P. Vaughan completed his first full year as Dean of the Art School abreast of current changes in both industry and education but always with the individual professional attainment of the student as the School's primary concern. Dean Vaughan was president of the Eastern Arts Association for the second consecutive year.



graduates . . . sliewinski . . . gonzalez



de matteis... chu... schwartz... zelwian... lynch

graduates

GEORGE ANICK, 474 Tenally Rd., Englewood, N. J. Student member AIEE, IRE. Has spent several years applying C. U. learning to instruments but has more recently transferred interest to elevators. Chief ambition after graduation is to study possibilities in "uncoerced learning."

JEROME APPELBAUM, 50 E. 1st St., N. Y.

One of Coopers few "Natural Bohemians" lives alone and loves it. Sleeps on wash tub-covers, uses candlelight in his unlit "john" and serves coffee in anything handy. Right now, he's very busy writing a book on Clare Booth Luce.

MARJORIE BARR, 84 Jackson Ave., Rutherford, N. J. Margie is indeed fortunate to have been betowed with so pleasing a nature. The ability to think clearly, coolly and wisely typify Marge.

JEROME BENTKOWSKI, 514 Howard Ave., Brooklyn. Jerry, a member of LSK and Tau Beta Pi, was at one time business manager of the Cable. President of the AIEE, he is the youngest member of his graduating class.

ETHEL BERKOW, 773 Beck St., N. Y., 55.

Sophisticated Eisel—Can't write minutes to save her life, friendly, forever smiling and laughing even at her own expense — Class Night M. C., secretary for two years in the Student Council, she is a true exponent of Cooper Union.

MARIA ANTONAZZI, 71-06 34th Ave., Jackson Ht.

Student member AIEE. Tried several jobs before Army called and is now specializing in amplifiers applicable to aviation. His recent marriage has precipitated him among that well known group, "apartment hunters."

JOAN ASSELIN, 33-50 10th St., Long Island City.

President of the Dance Club—did a neat job of changing the records in the past year. Joan proved that the day students weren't all exponents of Inertia Inc., working hard in school as well as outside.

WILLIAM W. BARTSCH, 324 Stockton St., Perth Amboy, N. J.

Vice-president of the Dramatic Club, he is best known for his quick wit and his ever ready grin, he was always tripping over his size twelves but never seemed to quite make the floor.

ALEXANDER BERGER, 209 Clinton Ave., Brooklyn.

A member of Tau Beta Pi and ASCE., Al, who is already a junior engineer will continue to work in the construction field.

DAVID I. BERNSTEIN, 2438 Ocean Ave., Brooklyn.

Dave is the most diligent of the senior ChE's; he has been known to do his homework at Camp Green. He is a member of the AIChE and of Tau Beta Pi.





GEORGE BERNSTEIN, 437 Miller Ave., Brooklyn.

George will best be remembered as the guy who loved to lecture on electronics when the instructors weren't around. Profoundly interested in electronics, he has a very subtle sense of humor.



JACQUELINE BISSETT, 1389 Lexington Ave., N. Y.

Quiet and unassuming but with eyes that speak volumes. Jackie has a passion for large shoulder bags, new hairdos, and sophisticated attire, but to her fellow students, she's generally considered to be "awfully cute."



SYLVIA BLUMSTEIN, 187 E. 96th Street, Brooklyn.

At present a fine art student by night, and a display artist by day, Sylvia hopes to earn her living by doing free-lance work.



FRANK BRANDT, 674 E. 37th Street, Brooklyn.

Bud is thoroughly absorbed by his classes but not so much as to pass unnoticed by the gals whom he tries (to no avail) to beat off.



JACK BRODERON, 752 Snediker Avenue, Brooklyn.

Although Jack is making a name for himself as a cosmetic chemist at Colgate Palmolive-Peet Co. he is disappointed with his course because no one ever taught him to analyze a blonde.

RUTH BIDWELL, 7405 Fifth Ave., Brooklyn.

Ruth's red beret is practically a trade mark. She dashes in at seven o'clock each evening and in one swift movement she is into her smock and at her easel—very much the painter. . . .

HAROLD BLUMBERG, 1475 Townsend Ave., N. Y.

Harold earned the endearing name of Plumb-Bob from the Freshman when he was an undergraduate instructor at Green Engineering Camp. He'll always remain the man who comforted us after an exam saying, "Well, anyway, in practice it's done another way."

VIRGINIA BONARDI, 425 E. 122nd St., N. Y.

One of the best dressed girls in the school, Virginia was the able Treasurer of the Newman Club. Shy and sweet, we'll always remember her for being good natured and friendly to everyone.

DORIS BREUER, 1112 Park Ave., Hoboken, N. J.

A sweet smile a mass of blonde curls, a bewitching dimple and you have Doris. Always a friend in need with a willing hand and a good word. Everyone likes her for to know her is to love her.

HERBERT BRODY, 193 Second Ave., N. Y.

One of the prides of the M.E. dept. who was former chairman of the Lunchroom Committee and is responsible for the popular annual ping-pong tournament. Herb will enter the industrial world after graduation.



MARSHA BRONSTEIN, 380 Riverside Drive, N. Y.

Marsha's great ambition is marriage—but will continue painting—she has a flair for fine art with a dash of advertising. She'll be missed by all who knew her.

MAURICE BROOKS, 86-01 Eliot Ave., Rego Park.

A proud member of M.A.O. and T.B.P., Maurice marched right into Ch.E. after returning from the Army. He is now applying his knowledge in industry.



ROBERT BROWN, 201 East 35th Street, N. Y.

A U. S. N. R. man now studying Chemical Engineering at night. He is applying theory to practice as a research chemist at Socony Paint Products Co.

SAL BRUNO, 1252 Bronx River Ave., N. Y.

He was always falling over easels, and fawning over dames. After two years of fine arts, Sal switched over to advertising, where he proved to be a fine draftsman with original ideas.



DON BURGESS, 517 East 119th St., N. Y., 35.

This meticulous craftsman, sometimes known as the "King of Sin" will always be remembered for his famous Homberg and his affairs with women. He also knocked out comic books, Pioneer cartoons in his spare time.

JOSEPH CHOVANEC, 1136 Tiller Ave., N. Y.

Joseph is a former Army man now working at his chosen field, Mechanical Engineering. He'll always be grateful to C.U. for pushing him over the first big hurdle. Good luck, Joe.



WALLACE CHU, 859 East 156th Street, N. Y.

Wally is one of those "Still waters run deep", boys that people always talk about. His assignments were often late but always well done.

RUTH CLOMP, 641 E. 235th St., N. Y.

One gal who wears glasses and still has men making passes. A very pretty miss who doesn't mind looking a mess.



BETTY COHEN, 1413 Nelson Ave., N. Y.

Serene and sweet, quiet little Betty is liked by all who do know her. Not too many of us know Betty as much as we'd like to as she's quiet and keeps to herself a lot.

OSCAR COLE, 88-23 162nd St., Jamaica, 5.

We proudly present the President of the ASME—Night Branch. This man, who is now engaged as a machine designer, is bound to be a sure-fire success in the engineering world.

SALLY CONLAN, 104 Scotland Rd., S. Orange, N. J. President of the Newman Club, this keen little colleen is motherly and sweet. She is knitting champion, and has turned out some sweaters and gloves that are real works of art and beauty.

NORMA CORDANO, 9 Christopher St., N. Y.

Norma has put in four years at night for her diploma in Fashion Illustration and is now ready to go out on her own. Her painting attests to that.

CHARLES DANFORTH, 150 Norwood Ave., Brooklyn.

A man of resources architectural, He often discourses intellectual, On topics diverse, he does entertain, But soon will disperse, new achievements to gain.

GLORIA DeGREGORIIS, 829 Adeo Ave., N. Y., 67.

She studies fine art evenings and is sorry to see her years at Cooper come to an end. Gloria wants to continue with college and painting.

PASQUALE DEMATTEIS, 567—20th Street, Brooklyn.

At present Pat is employed as a designer and after Cooper he intends to continue his evening schoolwork to get his Masters. His homework is excellent . . . two lovely children.

JULIA COOK, 241 Passaic Ave., Hasbrouck Hts., N. J. 'Cookies' talents we needn't sell. As camp leader she rings the bell. Her harmony's fine we're told and sews her own clothes with seams that hold.

ALICE DALEY, 74 Rose St., Hastings-on-the-Hudson.

A lover of all outdoor sports, Alice likes skiing best. She can also cook, and keep house. In 1945, Alice was elected Campus Queen, which is another of her accomplishments.

JOHN DEBIEC, 122 West 19th St., Bayonne, N. J.

A former "fly boy" heading for a future in Chemical Engineering. He has already done solo work on oil surveying and analysis of oil fats and waxes.

FRANK DELVERS, 279 73rd St., Brooklyn 9, N. Y.

Frank was President of the ASCE chapter and carried Cooper's color afield as Chairman of the Conference of Metropolitan Student Chapters, ASCE. His vernier eyesight was always good for at least five figures on the slide rule.

IGNATIUS DEMPKNOCK, 1002 E. 9th St., Bayonne, N. J.

Reserved and interesting. May always be seen working quietly away getting things accomplished. He can be encouraged to speak more than two words at once, on occasion. We hear it's been done.



graduates

graduates

DOROTHY DERCHIN, 130 Marcy Pl., N. Y.

She speaks French like a Parisian and can hold her own with any Frenchman. She's loads of fun, and will do anything for a pal. Maybe that's why we all love her so.

DOMENICA DE VITO, 2118 60th Street, Brooklyn.

Dom is an artist who is bound to get ahead and we hope she gets one soon. Good luck to a great gal.

VIRGINIA DOLAN, 1261 Park Ave., N. Y.

This attractive gal, besides being a talented designer is a Mrs. and the proud mama of a beautiful little girl.

SYLVIA DRUCKER, 1674 Townsend Ave., N. Y.

The girl with the intriguing smocks—and the talent. A quiet combination of ambition and ability. She is bound to accomplish her goal.

HERBERT E. ENNIS, 1512 Eastern Parkway, Brooklyn.

An M. E. student getting started up the long road by working as a project engineer at the U. S. Plywood Corporation doing research on laminated plastics. Herb was a member of Tau Beta Pi and can still remember the "good old days" with the "fellows."

FRANK DE SIO, 295 Broome St., N. Y.

Returned from the Medical Signal Corps to Cooper's Fine Art courses. He has developed a valuable understanding of art while studying here.

ANNETTE DICK, 903 Sutter Ave., Brooklyn, N. Y.

Look out F. L. Wright here comes competition in the form "and a pretty good form too" of Annette, our Brooklyn architect.

HENRY DOMBROWSKI, 312 Ave. C, Bayonne, N. J.

Henry's first love is electronics, but he seems to be stuck with chemical engineering. A wheel on the Pioneer and the AICHE, he claims to be better than half the co-eds at ping-pong.

LILLIAN EBERMAN, 18 W. 30th St., Bayonne, N. J.

Anyone who knew her was captured by her vivacity. It seems that she had ambition besides Cooper and left us for another (college) for a while, however, she is back to graduate at her first love.

LENORE EPSTEIN, 3871 Segwick Ave., N. Y.

A night student who is majoring in fine art. Lenore is now working on animated cartoons for the film industry. In the future she plans to continue with college and painting.





JOHN ERICKSON, 571 W. 215th Street, N. Y.

Johnny's Cooper career was interrupted by the Navy and since returning to finish his Electrical Engineering Course he hides his quick wit and smiles among the members of the O. D. P.



JOSEPH FELD, 505 East 175th Street, N. Y.

Here's a boy with talent and personality. What more could one ask, unless it is a winning smile and the ability to make friends and keep them. "Joe" has all these and to spare.



MEYER FEUER, 585 W. 214th St., N. Y.

Mike is one of those fellows who will long be remembered by his many friends and classmates. Always ready, willing and able to lend a hand, this unassuming chap has made deep tracks where it counts.



MARION FOGAL, 119 Maple St., Ramsey, N. J.

This Jerseyite, admired by all, believes in anything for a gag. Don't be fooled by this . . . this gal is really a hard worker, and has turned out some fine stuff during the past three years.



IRENE GARGUILA, 1 Roxbury, Fort Tilden P. O.

A young lady who gets a lot done in her own quiet manner. A typography fan, Irene knows what she wants and is going after it.

HERBERT EVERS, 116-18 95th Ave., Queens.

Herb returned to Cooper Union after a three-year stay in the Army. He is kept on the go entertaining C.U. art school girls and keeping the M.E. dept. happy. He plans to head out of the big city after graduating.

HOWARD FENTON, 247 West 4th St., N. Y., 14.

The ratio of being the only man in the class didn't seem to hinder Howard's interest in his work. Future plans seem to take in another college and then teaching as a final career.

ARTHUR FINGEROFF, 302 Grafton St., Brooklyn

"Artie" is the fellow whose company is enjoyed by all. This personable young man's appearance is always beyond reproach, and much approved by the fair sex.

ARTHUR A. FRIMET, 1450 Jessup Ave., N. Y.

A future candidate for a master's degree in Architecture, ex-soldier Artie is sure to go high on the ladder of success.

ROBERT GARRISON, 312 Holmes St., Boonton, N. J.

Bob comes to us from down New Jersey way. A top notch Advertising Design student with a preference for blondes, brunettes and redheads.



RONALD GASCHKE, 74 Lexington Ave., Bloomfield, New Jersey.

One of the school's prize students, Ronnie is able to turn out work that has that truly slick, professional look about it. He works hard and long but this doesn't make him a dull boy.



HENRY GAZESS, 6013 20th Ave., Brooklyn.

Henry Gazess, a fine young lad. To leave us all makes him quite sad. Of buildings and art he has no lack, He knows the ropes and is on the right track.



MARY GIORDANO, 601 S. 12th Street, New Hyde Park

An attractive girl whose looks do not belie her personality. Mary has spent her four years at Cooper brightening up the general scene and having a thoroughly good time herself.



ALEX GOLDFINE, 100 Ft. Washington Ave., N. Y.

Alex, an ambitious boy with plans for all sorts of things, including his M. A. practise. He has been studying architecture and with his abilities and experience in the designing field should go far.



JOSE GONZALEZ, 915 Adrian Ave., c/o Fischer, N. Y.

Jose Gonzalez, well-known for his smile, Returned to Cooper, after many a long mile. He's sure to succeed in his chosen profession. For his time is well spent, there is no question.

MARILYN E. GASPARINE, 31 Cambridge St., East Orange, N. J.

Underneath it all, if you dig deep enough is a talented fashion artist, after a fashion. She's engaged, she's lovely, she uses the Hoboken tubes.

BETTY GILMARTIN, 144 E. 24th St., N. Y.

Betty Gilmartin is the name. Of one of us—a nifty dame. Don't try to teach her nifty tricks, This arty student has but one answer—NIX.

SHELDON E. GIRSCH, 1657 Popham Ave., N. Y.

Shel, the taller half of the talkative Girsch-Landauer team, is the Pioneer's ace bowler. Between bridge sessions at lunchtime and bull sessions the rest of the time, it is a credit to his intelligence he got through Cooper.

JAY GOLDIN, 1568 Macombs Rd., N. Y.

Jay's dry wit has always awakened the Pioneer siblings when they dozed off on Friday nights. A co-editor of the Pioneer, and a member of Lambda Tau.

PAUL GRAFSTEIN, 921 Montgomery St., Brooklyn, N. Y.

Paul has utilized his limitless capacity for serious thought in his Mechanical Engineering course. Another Brooklyn boy to be proud of.

MILDRED GREEN, 2361—
65th Street, Brooklyn.

"Millie" is "knee high to a grasshopper" and just as lively. Her genial personality and ready smile have made her a great favorite.

NATALIE GREENBERG,
1455 Townsend Ave., N. Y.

An attractive little girl with pretty eyes, Natalie is a smart kid with a lot of original ideas. Easy to get along with, she's liked and admired by all.

ALBERT GREGA, 64-26—
58th Rd., Maspeth.

Everyone loves a lover. Al has always been popular with the ladies. Where there's life, there's Al.

STANLEY HAUSNER, 1730
Andrews Avenue, New York
53, N. Y.

Stan is a fellow who is a friend to all. One of Cooper's best advertising designers though he does live in the Bronx.

HASKELL HEIMLICK, 2033
McGraw Ave., N. Y.

Hal is a former Field Artillery man who wants his own studio some day, and devote it to display and Industrial Design.

GLORIA GREENBAUM,
1129 55th St., Brooklyn.

Tall, slim Gloria insisted upon her seriousness and we believe her now. A career in the art field after school and then it won't be long before this attractive girl finds the man of her life.

RHODA GREENBERG, 803
Nostrand Ave., Brooklyn.

One of a pair of identical twins, Rhoda and her sister had people going mad. She still keeps the boys with their heads in a whirl.

ERIC C. HAMMARSTROM,
408 Godwin Ave., Ridgewood,
N. J.

Not satisfied with a B.A. from Wesleyan this savant undertook the obstacle course for a B.M.E. Eric is now holding down a responsible technical position.

ANN HEIMANN, 731 W.
183rd St., N. Y.

Ann always accepts homework with a smile and asks for more, much to the chagrin of her fellow students. We all wonder how she manages to keep up with it and still visit the Modern Museum as frequently as she does.

KITTY HEIMLICH, 1508 E.
17th St., Brooklyn.

A real demon when it comes to playing bridge, she does other things besides. Engaged to Clem Fischer, lots of fellows turned away, broken hearted. Warm and friendly, she has a keen sense of humor.



graduates

graduates

CAROL HESS, 600 West 174th St., N. Y.

Carol is a very attractive fine artist who didn't enjoy architecture (but who did?), yet is so attracted to painting that she put in her time at night.

JOSEPH IARUSSI, E. 2nd Street, Scotch Plains, N. J.

Joe has acquired all the essentials of a good E. E. Learning not only where alternating currents go, but also where New York playboys go.

JOHN IULO, 105 Cedar Ave., Patchogue.

A day art student who is majoring in architecture. Is grateful for the education he has gained at Cooper and intends to continue studying after graduation.

ARTHUR E. KELMAN, Valley Drive, Matawan, N. J.

Artie has the distinction of being the tallest man in Cooper. A former president of ODP, and a member of Ex Post Facto, he is a staunch defender of the life of the daily commuter.

LARRY KESLER, 1635 Montgomery Ave., N. Y.

Larry's good nature and nonchalant manner have endeared him to all of us. His green smock and ready smile will long be remembered.

MELVIN HOLZAGER, 53 Boiling Springs Ave., E. Rutherford.

The fellow with an enormous repertoire of jokes and funny stories and the ability to tell them well. We all think Mel was born for the stage, but he insists on trying to be an artist.

FRANK IRWIN, 27 North Broadway, White Plains.

He is the most intellectual in the class, but doesn't let all his stuffy knowledge interfere with his hilarity and witticisms. Vice President of the Debating Society, Frank is probably the most popular guy in our class.

LUISITA KEELY, 40 Argonne Court, W. Englewood, N. J.

Green eyes used to get an awful lot of letters on the bulletin board. We could never deny the letters but we all thought your eyes were blue. No prettier colleen ever spoke better French.

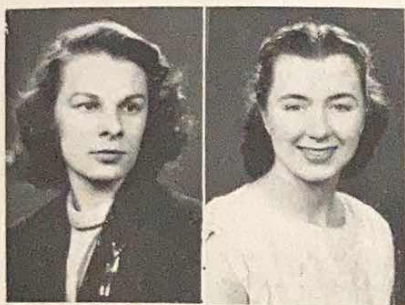
NANCY KENNEDY, Jackson St., Fishkill.

A fine girl. She is beautiful, talented and friendly. What more could you want? She knits like a demon and commutes to Cooper from the little fishing village of Fishkill.

FANNY KLEIN, 91 E. 35th St., Brooklyn, N. Y.

Until she came to Cooper, Fanny didn't know how wonderful painting and creative design could be. She plans to keep it up with further studies.





AUDREY KNAPP, 38 Loring Bay 34th St., Brooklyn.

Audrey will recite "trials and tribulations of Typography" to you any day on request. A businesslike young lady, but always ready for a good laugh, even at her own expense.



MARY KRIKORIAN, 419 Ninth St., Union City, N. J.

Makes life easy playing secretary to a Union City lawyer. An avid opera fan, finds time to rehearse and sing with dear old "Jersey Opera Co."



EVELYN LA PIDUS, 140 Bay 34th St., Brooklyn, 14.

A hard working fine art student who graces the night school. She lends her domestic touch by working in a nursery school and busily painting two-year olds.



BONNIE LEVINE, 3002 W. 28th St., Brooklyn

Bonnie is a hearty and likeable girl who will give you the shirt off her back. Loads of fun at all times, we all enjoy and appreciate this swell gal. More power to you, kiddo.



ROY LEVY, 1810 Ave. N, Brooklyn, N. Y.

Roy's classical remark, "Good Enough!" is testimony of his two significant figure philosophy. But its effectiveness was shown when he assisted in the Popolopen Dam Research and served as undergraduate instructor of surveying at Camp.

ARLINE KRAEMER, 110-02 15th Ave., College Point.

Peter Cooper played cupid again so all we can say here is that Howard Smith is going to get the best cook in Cooper. We'll never forget Arline's neatness — a rare commodity among the art students.

WALTER E. LANDAUER, 771 West End Ave., N. Y.

Walt, a member of Tau Beta Pi, who spends most of his time dreaming about theoretical physics and other things he does not understand; is the most energetic editor the Pioneer has ever had.

ADELE LEIDER, 110-07 73rd Rd., Forest Hills.

Always the sophisticate, with the unusual hats and the equally unusual hair-dos, Deli is our candidate for the typical career girl; a title she's well-earned by a combination of hard work and talent.

LAWRENCE LEVINGRUB, 198 Maujer St., Apt. 1170, Brooklyn.

Larry should have been born in the country — but he spends as many weekends there as he can afford to. He seems to have an amazing memory for the classics, and will whistle your favorite for you on request.

WALTER LISCHICK, 700 Hillside Ave., Cliffside Park, N. J.

One thing Walt will always enjoy about Cooper Union is the fact that he graduated. He hopes to earn his keep as a Civil Engineer.



JAMES LYNCH, 1140 Clay Ave., New York

Jimmy is undoubtedly the best dressed man in the senior class. A pleasing personality and an interest in electronics stood him well in his years at Cooper.



SHEILA LYNCH, 356 E. 31st St., Paterson, N. J.

A good designer, Sheila can do some of the most beautiful color combinations you've ever seen. Extremely witty, everyone loves her and agrees that she can mix and mingle with any group of people.



JOHN MACDONALD, 323 Lincoln Pl., Brooklyn.

John MacDonald is his name, He finds Night Art to be quite tame, Of house and plan he knows no lack, Don't worry, friends, he'll not be back.



PETER S. MARRA, 300 E. 169th St., N. Y.

One guy whose heart belongs to the Navy. A Civil Engineering student who is working as a Naval Resident Officer in charge of Construction of port facilities at Monrovia, Liberia. The future holds specialization work in Sanitary Engineering.



DOLORES MCFARLANE, 1717 Montgomery Pl., N. Y.

Attractive Dolores always seemed to have a ready smile and a sympathetic ear for the intellects. It goes without saying that the girl's a darn good artist.



MARJORIE MERMELSTEIN, 398 South 3rd St., Brooklyn 11.

This girl has already gained recognition for her talents by having a book of children's illustrations published. Her sweet demure attitude has gained her many friends at Cooper Union.



SYDNE B. MEYERS, 2066 Creston Ave., N. Y.

Sydne with her non-feminine name but her very feminine quality for making numerous friends is very likeable. Her future plans are indefinite but she will get married if nothing better turns up.



HOWARD E. MILLER, 312 70th St., Arverne.

Howie—star basketball player for ODP—is president of the fraternity. Treasurer of the AIEE for many years, he has recently acquired a wife—and a sharp set of bow ties.



FRANK W. MINER, 68 Haseco Ave., Port Chester.

Frank is Port Chester's gift to Cooper; he has driven Professor Peterson to distraction on several occasions, but he failed to drive the ChE's to Atlantic City.



MAX MITTENHUBER, 212 67th St., Brooklyn, 20.

This is the class "character"—the man who aged Professor C. H. Young 10 years. Max is now engaged in supervising the building of an expensive experimental machine and we are all hoping it will work.

HOWARD MOORE, 1028
Bushwick Ave., Brooklyn.

Howie is an Industrial Designer from the hill-country of Brooklyn. He has great designs for the future — women.

JOAN R. MYLES, 735 W.
183rd St., N. Y.

A fine artist who has finally reached the culmination of her happy days at old Cooper Union.

JULIAN NELSON, Sylvan
Ave., Englewood Cliffs, N. J.

Julian is the mystery man: nobody seems to know very much about him except that he has a sense of humor. He'd better have when he reads this.

THEODORE NEUSTEIN,
381 Grove St., Jersey City.

Returned from the service to complete his electrical engineering, he is indefinite as to his future plans, though he is plugging away for Western Electric at the present.

HARRY E. OLIVER, 274
Clinton Ave., Brooklyn.

A neat appearance coupled with a subtle humor make "Eddie" a favorite with everyone. We are happy to say he is always seeing the brighter side of life.

HAROLD MOSS, 4301 18th
Ave., Brooklyn.

A modest youth of great reknown, we let the record he built up at the Cooper Union speak for itself.

SALO NACHTIGALL, 183
Ocean P'kway, Brooklyn.

Student member AIEE, IRE. One of the few men to do the night course in six years. At present on managerial end of production of sound equipment. More interested in human than material engineering.

LEON NEMEREVER, 9815
65th Rd., Forest Hills.

Leon is the mathematical whiz of the M.E. class. Back from the Army he became Pres. of the Math. Club and plans to take graduate work in fundamental engineering research.

DONALD OGILVIE, 213
New York Ave., Jersey City,
N. J.

Don has a "Phil Harris" type of singing which he accompanies on the piano. At camp he keeps the fellows up half the night with his music but comes morning and the arrival of the female half of the group, words fail him. . . .

VIRGINIA PALHOF, 36 E.
4th St., N. Y.

A hard-worker — she still thinks married life is great in spite of Roy's trombone playing. Virginia's faculty for making and keeping friends ought to stand her in good stead throughout her career.



graduates

graduates

ACHILLE PELIZZARI, 65 W. 46th St., N. Y.

An advertising layout man who studies fine arts evenings. While at Cooper he has attained a great knowledge of design which will aid him in any field. He would appreciate a return to the academic subjects.

SEYMOUR RANKOWITZ, 780 Pelham Pkwy., N. Y. 60.

Seymour managed to spend more time in the Pioneer office without becoming a staff member than any one else. A good natured "wolf" he is weighing women against electronics as a career.

ERNEST ROSA, 193 Irving Ave., Brooklyn.

If silence were golden, Ernest would be richer than the Rockefellers. But while others chatter, Ernest is getting things done.

JEAN ROSENBAUM, 2425 Dickens Ave., Far Rockaway.

A fine art student who studies at Cooper evenings. In her spare time she does free lance work and has just finished illustrating a book. She plans to keep on studying and eventually take an active part in the field.

ELIZABETH RUSSELL, 42-42 Judge St., Elmhurst.

Having completed four full and boisterous years at Cooper, hopes to find her place in the fine art field.

MICHAEL PELLEGRINO, 614 Grand St., Brooklyn.

To live life and enjoy it seems to be Mike's slogan and he helps those around him to enjoy it as well. A sense of humor and a happy-go-lucky way have made him a hit with all.

SAM ROCKMAKER, 1678 Union St., Brooklyn.

Where's Sam? Under his camouflage smock reading a copy of "Superman"! Find the crowd and you'll find Sam in the midst of them. Lots of friends and lots of laughs—that's Rockmaker.

HYMAN ROSEN, 2821 W. 27th St., Brooklyn, N. Y.

One of the veterans who came out of the service with an ambition to have a business of his own and is carrying it out. With his personality and ability he can't fail.

JOHN ROSS, 15th St. Homestead Ave., Palisade, N. J.

John is another of our "married veterans." He can be found each evening at the Automat and is one of the group who make a mad dash across the Hudson River each night after class.

ROBERT SACHERE, 641 W. 169th St., N. Y.

Bob has tried to stump instructors for years with his numerous queries, but hasn't succeeded yet. He's the only married man in his ChE class.





SALVATORE SAGONA, 184 N. Corona Avenue, Valley Stream.

With his nose in his work, he gets things done. A quiet sort of a fellow but a good sport. Always ready to join in on an endeavor.



EDWIN SALTZ, 1611 46th St., Brooklyn.

Ed got by Cooper with an absolute minimum of work. "Don't let school interfere with your education" was his motto. He won letters in basketball, baseball, football, and was editor of the Freshman Handbook.



BETTY SCHOEN, 433 E. 66th St., N. Y.

Betty's a dear, but let's review

Her cyclonic rise from her first view

Of Cooper and its realm of arts,—

Each golden bit—and then—an artist.



SEYMOUR SCHWARTZ, 1035 Dumont Ave., Brooklyn.

Sey's chief loves are Architecture and women. With women it's "Variety is the spice of life"—but his Architecture is consistently good.



STANLEY SELTZER, 3712 Oceanic Ave., Brooklyn.

Stan is a slave driver as foreman in the unit ops lab. He's also the one who has his homework finished before anybody else has started. He is the respected president of the AIChe.



FUJIO SAITO, 42 E. 98th St., N. Y.

Fred is a quiet unassuming fellow who possesses the much sought after knack of coming up with the right answers with a minimum of effort. Fred is a natural for success in the Engineering field.

IRMA SCHNEIDER, 3215 86th St., Jackson Heights.

Vice-President of the Newman Club, blonde Irma is another knitting champ. Sweet and demure, Irma is popular with everyone and being the domestic type, will make some lucky fellow a wonderful little wife.

MISCHA SCHWARTZ, 1977 Prospect Ave., N. Y.

Mischa became a member of Tau Beta Pi while in the Army. A member of the IRE and AIEE, his interests are along the theoretical lines of engineering. He was a great help in the establishment of the Cooper chapter of Tau Beta Pi.

OTTO B. SCHWARTZ, 74 W. 102nd St., N. Y.

Otto is the kind of fellow who worries about his grades and then comes off with some of the top marks. He is now employed as an Engineer and we know he is a success.

ROMEO SERRAPICA, 2054 75th St., Brooklyn.

Suave Romeo indeed lives up to his name, being admired and liked by all the girls in the school. A good, hard worker, Romeo is an outstanding Advertising student.

MORRIS SHANE, 1439 Ocean Ave., Brooklyn, 30.

As an Air Force Captain, Morris was decorated for technical achievement. He is now in charge of production at a manufacturing plant. With his ability, charm, and flair for leadership, a successful career is assured.



JOSEPH SHIFMAN, 44 Dayton St., Elizabeth, N. J.
Joe, the shorter half of the Shifman-Wells combination spent three years in the army during which he did construction work in the South Pacific. Joe plans to do graduate work in the study of vibrations.



EDWARD R. SLIWINSKI, 3608 Grant Ave., Astoria, L. I.
Likeable Ed believes in getting all sorts of experience before receiving his Civil Engineering degree. He has been President, Secretary and Treasurer of the ASCE (at different times).



LEWIS SMITH, 109-08 221st St., Queens Village.
Lewis is a quiet, agreeable servant of the public, always ready to collect our dues as ASCE Treasurer, and to use his car as a public conveyance, even though it was always ready to have a flat or blow a gasket.



SAUL SOPHRIN, 301 W. 24th St., N. Y., 11.
Saul does not pretend to be what he isn't. A man shows his best quality when he shows his true and simple character. And so it is with Saul.



IRVING SPIEWAK, 1631 Washington Ave., N. Y.
Irv should have been a Civil Engineer instead of a Chemical considering his ardent love of bridge techniques. Top man in his class, he's an Actor, Musician and Business Mgr. of the Pioneer.



HELEN STEIN, 1610 E. 22nd St., Brooklyn.
Another bridge and camera fan, Helen is extremely quiet and sweet. Half of the time you'd never know she was there for all the noise she makes. She gets along easily with one and all.

MARCELLE SIMONE, 17 Christopher St., N. Y.
Words are indescribable. Charming, beautiful, intelligent, a magnificent and glorious sense of humor and a familiar face with her canvases on the Village Square.

HOWARD SMITH, 329 W. 84th St., N. Y.
Big noisy Howard, engaged to Arline Kraemer, is a professional photographer and is a handy man to have around in the Photography class. Howie really works hard at every job he undertakes.

CHARLES SOLIN, 41 Blake Ave., Brooklyn.
Charlie is married and the proud father of two children. His deep voice can be heard chanting various melodies and if you hear a "strange foreign" language that's Charlie speaking Esperanto.

HONEY B. SOROKO, 300 W. 10th St., N. Y.
All those notes signed Honey, weren't as intimate as some uninformed person might have thought. It's just the first name of one of Cooper's fun organizers who did much to furthering extra-curricular activities.

JEAN A. SPITZER, 132 Spruce St., Bloomfield, N. J.
A member of the Cable Staff and a winner of a gold "C". Jean will continue her schooling to obtain a degree. Big plans for this little gal.

RICHARD STINELY, 1018 Second Ave., Johnston, Pa.
A pipe smoker from way back, Dick is capable of doing outstanding work in all his classes. He has done some beautiful paintings, and his work has graced the Annual Exhibition for the past three years.

BERNARD STONE, 685
East 140th St., N. Y.

Back from the Army, he has our vote for the guy most likely to succeed. His work is really outstanding, and much is expected of him.

MAURINE SWEENEY, 14
East 16th St., N. Y.

Maurine has done exceptionally well in her three years at Cooper. Her graduation will be Cooper's loss.

JOSEPH S. SWICK, 1224 St.
Nicholas Ave., N. Y.

Joe's suave manner and keen insight assures his success in the engineering field no matter how keen the competition. Now applying himself to design and production engineering, this man is definitely going places.

SOL TANNE, 130 Ave. C,
N. Y.

Sol is a constant source of amazement to those who find that he is not only the strongest man in Cooper Union but also one of the brightest. A member of LSK, he is a member of the lunch-time bridge brigade.

MELVIN TIERMAN, 1815
Riverside Dr., N. Y.

Mel as a chemical engineer is considered the school's best plumber. He plans the programs for the AICHE and also finds time to do the whole class' homework.

FRED VERITY, 1168-82
88th Ave., Jamaica, 3.

Fred is one of the CE's whose appearance fools you. Always ready with the right answer, Fred has been ruler of LSK, and undergraduate instructor at Camp, and an assistant in the Popolopen Dam research.

FREDERICK STREITFELD, 585
Isham St., N. Y.

This young man derives much pleasure by sitting back and watching the efforts of us humans. Fred has a great deal of common sense to his credit and can adapt himself to any situation.

DONALD SWEET, 3517 30
St., Astoria.

This big handsome army vet hopes that some day he may visit and revisit faraway lands. He'd like to earn his traveling in an art director's job.

MORTON S. TANENBAUM, 1669
Union St., Brooklyn.

Morty, treasurer of the Activities Plan, is the taller half of the Bentkowsky-Tanenbaum combination. One time ping-pong champion of the school, he participated actively in many school activities.

MARVIN TEITELBAUM, 840
Montgomery St., Brooklyn.

Marv is the only surviving M.E. from his original class. He is President of the Senior Class, Vice-president of the Student Council, Chairman of the Student Branch of the ASME, and a member of Tau Beta Pi.

FRANCIS UPTON, 1521 Un-
ionport Road, N. Y.

A night C.E. who has ventured through six years of school without even sleeping through a class.

WILMA VRANCKEN, 212
19th St., Union City, N. Y.

Loads of personality and a knack of having men around her in droves. Camp Green is the second home of this very popular young lady.



graduates

NELSON LEE WALKER, 3156 36th St., Long Island City, 3.

An M.E., night student, he designs industrial instruments and consumer goods for a livelihood. He sees a business of his own in the future, and dreams of making lots of money.

SEYMOUR WEISSMAN, 307 Throop Ave., Brooklyn.

Seymour has an old interest in radio—having been a radio amateur for many years. He takes his electronics studies very seriously and is a member of the Cooper AIEE and IRE.

MARGARET WENTZEL, 42-46 78th St., Elmhurst.

After doing accounting Margaret finally saw the light and realized that her driving ambition was to leave her mark in the display world.

ABRAHAM N. WEIS, 1595 Metropolitan Ave., N. Y.

A night E.E. student with a strong desire to forge ahead. His motto "to stand still is to fall behind" should lead him to success in his chosen field, the communication industry.

DOROTHY WOODS, 39 Arlington St., North Hampton, Mass.

The best calligrapher in our class, Dotty should go far in the book jacket and lettering field. She loves horses and will go out with any guy who smells like one. She also knits.

HENRY ZELWIAN, 520 E. 14th St., N. Y.

One of the best people at Cooper, Henry has three loves, jazz, painting, and women.

HILDE WEINGARTEN, 660 Ft. Washington Ave., N. Y.

Hilde's a fine artist who really knows the meaning of hard work. With her sincerity and her complete grasp of the meaning of design we expect much of her.

HERBERT WELLS, 50 Wilson Ave., Rutherford, N. J.

Being the only married M.E. in the graduating class he has proved himself capable of complying to the whims of both his teachers and his wife. He spent three years in the army doing Photo-Intelligence work.

JOHN WINDRUM, 410 53rd St., Brooklyn.

A loyal follower of the Elbow-wavers, John is quiet and suave. His creative designs and advertising work are really outstanding, and this handsome chap is sure to go far in the commercial field.

ELSIE WOLF, 775 E. 175th St., N. Y.

Elsie is another hard worker who turns out nice work. I don't know what else to say about her. She likes to wrestle and believes in anything for a gag.

FRANK YOUNGBLOOD, 148 Clifton Pl., Brooklyn.

A hard working Chem. Engineer who knows his bromines, fluorines, chlorines and chorines.



Harold Altman.....	1533 Jesup Avenue, Brooklyn
Seymour Baum.....	281 Fountain Avenue, Brooklyn
Alfred Blaustein	1572—39th Street, Brooklyn
George Borkin.....	428 East 26th Street, Brooklyn
Solomon Brown.....	8736—24th Avenue, Brooklyn
Armand Casini.....	160 Beechwood Avenue, Bogota, N. J.
Lucille Chayt.....	706—2nd Avenue, Asbury Park, N. J.
Argyrios Chletsos.....	32-34—32nd Street, L. I. C.
Ronald Craik.....	9 Charbrooke Lane, Rye, N. Y.
Julia Elliott.....	40 Highland Road, Rye, N. Y.
Margaret Ferrarie.....	321 E. 85th Street, N. Y.
Louis Finkelstein.....	255 Cabrini Boulevard, N. Y.
Frank Foldvary.....	447 E. 86th Street, N. Y.
Irving Franklin.....	170 Hawthorne Street, Brooklyn
Mildred Frey.....	287-17—38th Street, L. I. C.
George Garaufis.....	115 E. 102nd Street, N. Y.
Alphonse Giosa.....	1191 Greene Avenue, Brooklyn
Lenore Greenfield.....	33 W. 87th Street, N. Y.
Lily Gruenstein.....	42-39 Forley Street, Elmhurst, L. I., N. Y.
William Hollander.....	356—8th Avenue, N. Y.
Vladimir Honeiser.....	310 E. 71st Street, N. Y.
Pietro Imagna.....	68 Cumberland Walk, Brooklyn
Michael Kleczek.....	31-64—41st Street, L. I. C.
Elliot, Kohn.....	221 W. 82nd Street, N. Y.
Henry Krohn.....	12 Brooklands Apts., Bronxville, N. Y.
Benjamin Kroll.....	530 Shepher Avenue, Brooklyn
Irene Matz.....	31 Park Avenue, Matawan, N. J.
George Misson.....	59 Pineapple Street, Brooklyn
Sylvia Moore.....	265 Edgecombe Avenue, N. Y.
Edward Murphy.....	36-31—30th Street, L. I. C.
Kenneth Newman.....	37 Clinton Place, Mount Vernon, N. Y.
Stanley Ost.....	1265—51st Street, Brooklyn
Paul Piech.....	1474 Lincoln Place, Brooklyn
Lazarus Radlow.....	165 Stockholm Street, Brooklyn
James Rich.....	68 St. John's Place, Brooklyn
Ilse Rothmer.....	59 E. 77th Street, N. Y.

camera shy

*no pictures available
for these graduates*

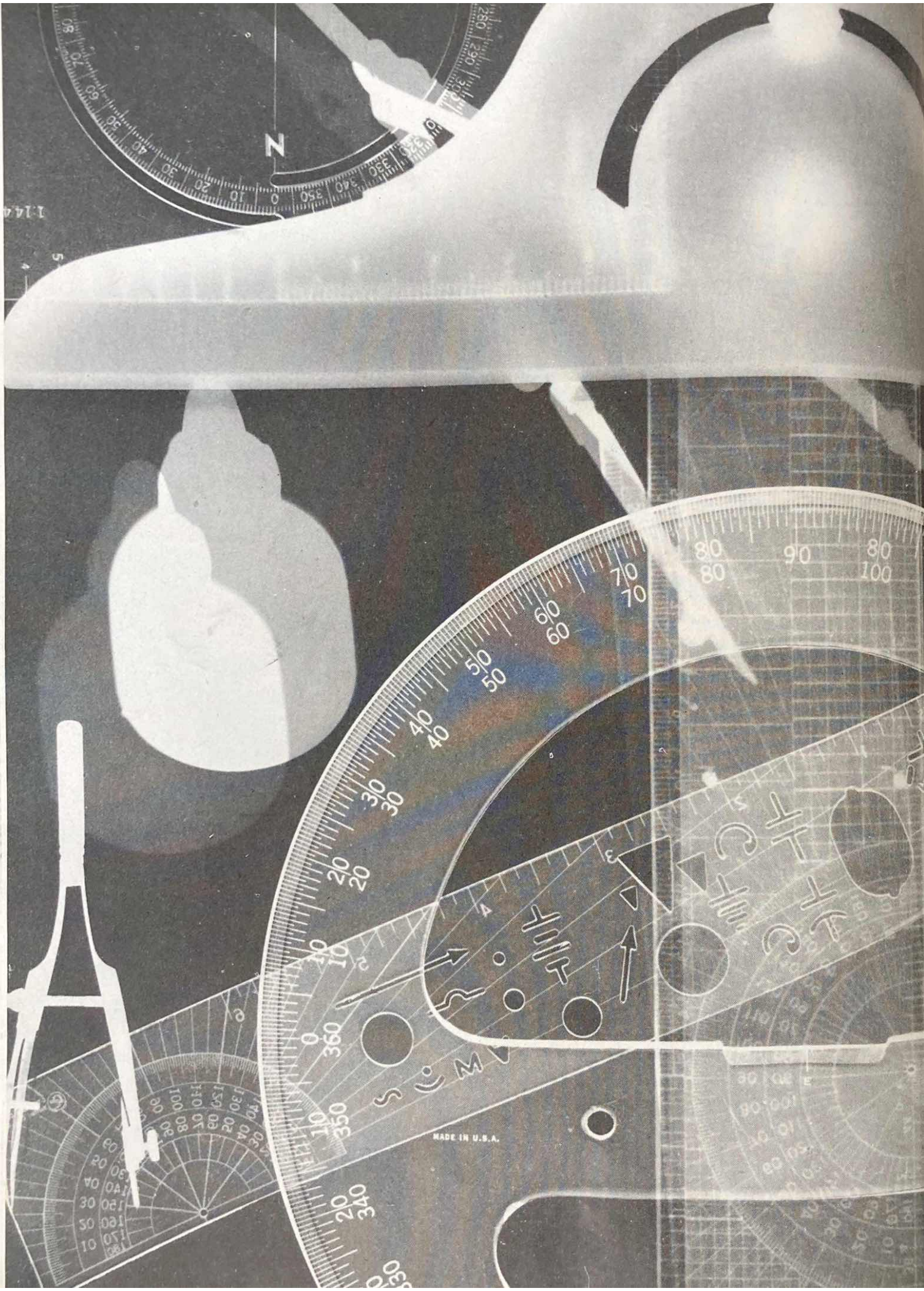
Richard Sampietro.....	610—76th Street, North Bergen, N. J.
Norma Sheff.....	338 E. 55th Street, N. Y.
Anita Schulz.....	37 Morton Avenue, Freeport, L. I., N. Y.
Samuel Sedano.....	6 Hamilton Avenue, Arlington, N. J.
Sidney Shamis.....	21-55 Grand Concourse, N. Y.
Bernard Spence.....	375 E. 205th Street, N. Y.
Edward Stallman.....	414 National Boulevard, Long Beach, N. Y.
Abraham Sterling.....	39-75 Sedgwick Avenue, N. Y.
Clara Swead.....	307 E. 17th Street, N. Y.
George Warrington.....	63 W. 6th Street, Bayonne, N. J.
Isabel Wood.....	269 Pacific Street, Lawrence, N. Y.



advertising design . . . electrical engineering



fine arts . . . civil engineering . . . classes



pre-engineering pre-engineering

From the High Schools of the nation, from the Army and Navy and Boy Scouts of America, come those startling upholders of free integrals and Pi times MAO . . . the Freshman Engineers. These walking slide rules entered Cooper Union, waving their Cooper pennants and autographed photos of Lester Fink.

Since the days of the first Cooper co-eds, Freshman Engineers have been noted for their pursuit thereof. But this class is different. Women have no place whatsoever in the minds of these serious young men. "Work, work, work!" is the watchword of the class.

Aside from this sledgehammer ambition common in all of them, the Freshmen are as individually different as day and February. They seem ostensibly singular in purpose, but the men are in accord on one point, and that is the right to disagreement. In the morning there is an argument on the homework. Then that great intellect Jack Mienberg expounds on his theory that all literary material is below the aesthetic par of Virgil. He is jumped upon by Harvey Schmidt's rather bizarre but unusual tastes, and Acker's pessimism. At the same time Soble and Ravinsky, and Runes and Shaeifer are indulging in a madcap political riot. Sherman throws a left at Schwartz, Rubinstein, Schmidt and Roth who begin throwing poker chips and poison darts at one another and all the guys rough-house over the female torso in Esquire which has the most Dans Le Jardin De Ma Tante!

Section 2, sometimes sworn at as "Mother Blades Boys" is unified in its hate for Art students. This bunch cooperates in everything. The better students gladly do homework for all other students, see Chem exam of Dec. 3, 1946.

Top: W. Edge, P. Goodman, H. Hauser, L. Mordfin, E. Wachspress, J. White. *2nd:* A. Surko, A. Kaplan, B. Fisher, J. Priest, R. Keates, R. Kanzler, E. Reshotko. *3rd:* M. Kerman, S. Friedman, L. Kestenbaum, E. Kestenbaum, E. Reiman, I. Hammer, J. Spool, H. von Spreckleson. *Bottom:* W. Horozan, E. Nussbaum, O. Taccogna, F. Von Zabern.



Top: A. Dworetzky, J. Feder, J. Boulgarider, E. Carstens, M. Priesler, J. Apsley. *Middle:* J. Engleberg, S. Schlanger, R. Feinberg, W. Coughlin, A. Eck, H. Dropkin. *Bottom:* J. Agresta, M. Geller, P. Kernan, N. Falk, L. Chajson.



Top Row: H. Loeman, S. Kugler, F. Kircho, M. Lopatin, H. Knapp. *Middle Row:* J. Monteferrantz, J. Moore, F. Kovacich, T. A. Merkin, T. Matcovich. *Bottom Row:* M. Stern, F. Warner, H. Stein, P. Yankoshuk, J. Zirimis.



Top: L. Lebowitz, McLoughlin, B. Britton, L. Noonan, R. Tobjy, D. Young, T. Watkin. *Middle:* A. Vevo, S. Levy, Narcisso, W. Lenk, N. Westagimer. *Bottom:* Mahrlust, S. Gerny, L. Magnam, R. King, S. Kaufman.



Phil Goodman and Walt Edge have built up quite a reputation as guys after a bucket of suds.

Another interesting character is Mel Stern, who astounded his teachers doing Math problems in 3 steps which take said teachers 5.

Pat Kenny, sometimes bekempt as the Smilin' Irishman, stoutly maintains that there are two kinds of human beings—the Irish and those who want to be Irish.

Hy Stein and Fred Warner have that rare and unique ability to argue over points which they both agree on in the first place. But the unusual combination of Wachpress and White can answer any question put to them. Try it sometimes. Ask Gene or Jerry how it is to drink soup through a moustache, and they'll happily chortle back "It's really quite a strain!"

Al Surko is one gent who has salt water in his veins. The Yacht Club beckoned its briny finger at him and he followed.

Walt Springer is renowned for his quietude. It is rumored, though, that once, in a fit of pique, he said, "Ugh."

Another freshman celebrity might be George Smith, whose main contributions are his precise and accurate body diagrams of weightless cables.

pre-engineering pre-engineering

Hardly a Chem or Math class will pass without this seemingly rehearses extemporaneous spontaneity.

Smith (interrupting teacher): "Say, doesn't that go"

Spool (screaming from seat): "Shut up Smitty—" "Let the poor man teach!"

Casey, Coonan, Richter (ensemble): "Pipe down Spool you're disturbing the class!"

Oscar Taccogna, Mel Stern and Alex Surko had a little brush with the law. These criminal types made the horrible mistake of throwing paper on the 23rd Street BMT station. They were given dollar fines for their irresponsibility.

And next year, these fine, upstanding young men will no longer be Freshman. They may change in their attitudes towards quadrilaterals and women, but they will always be guided by their courage, determination and that now famous motto among Freshman Engineers, "Je vois ce qui est tombe ce matin—"

*"We Jumped with Glee
We Jump with Joy
We Were Here before Kilroy!"*

Yes sir, the second year M.E. Section appears to be the only place that the fabulous, "Mr. See-it-all" has missed, and he really did miss something. Writers have recorded how much more serious Joe College is now, since ex-servicemen have enlarged college rosters. 'Tain't so in this M.E. Section. As contrasted to pre-induction years, there are certainly more "characters". True, most of them work harder and more diligently than they had before and in general are getting better grades, but there is a good deal more horseplay and "kibitzing" both during and between classes.

It was amazing how the crew who generally sat in the right rear during Mr. Griswold's Kinematics class ever managed to know what was going on. However, it seems that between gags and giggles they often managed to catch some obscure point that eluded the rest of the attentive class; and they make out all right on their exams too.

Mr. Levinson, the math instructor, probably won't forget his "pet" Greenberg, for a good long while. He really has had some hard times with that boy. The section won't forget Greenberg either for the lightning

mechanical engineering

way (faster than most of the class could talk) he explained a problem, when he did know how to do it. The classic remark of the semester was made by Mr. Levinson one day as he was trying to explain some very complicated figure in Solid Analyt., and he apologized for not being able to draw the figure by explaining that "It's only a one dimensional black-board."

At times, Dr. Buckingham's Public Speaking class sounded more like a Town Hall meeting than a speech class. Sartorially, there was one basic change from the days of yore; the influx of peajackets, O.D.'s, and an occasional pair of forest greens or pinks. One Bernie Hillman insisted on wearing brilliant ties that offended the aesthetic nature of the average engineer. Despite all protests, he insisted "Youse guys just ain't got no good taste." Bob Shapiro created quite a discussion one day when he came in wearing a new suit, after he had been collecting ASME dues for a week.

The entire student body received a big kick out of ex-looie Peranio's debating one lunch period with the "new" Ancient Greek Philosophies, A.D. Anagost(opoulos) a character who stood in front of the school proclaiming "Universities are stables" and distributing literature which explained simply how all the problems of the world could be solved in one easy step.

The biggest mystery of the whole semester was why Ed Schmidt perpetually looked so sad. Was he mooning over a lost lobe, or was he just pining away because Kilroy never did get around to taking a look at this aggregation of potential Mechanical Engineers.

Top: F. Pokorny, P. Peter, H. Nie-
wood, C. Walker, W. Nepner, M. So-
kolow. *Middle:* E. McMullen, A. Biz-
jak, A. Berberkh, M. Helfgott, J.
Hall. *Bottom:* H. Osman, J. Santoro,
R. Tobjy, L. Ross, G. Jones.



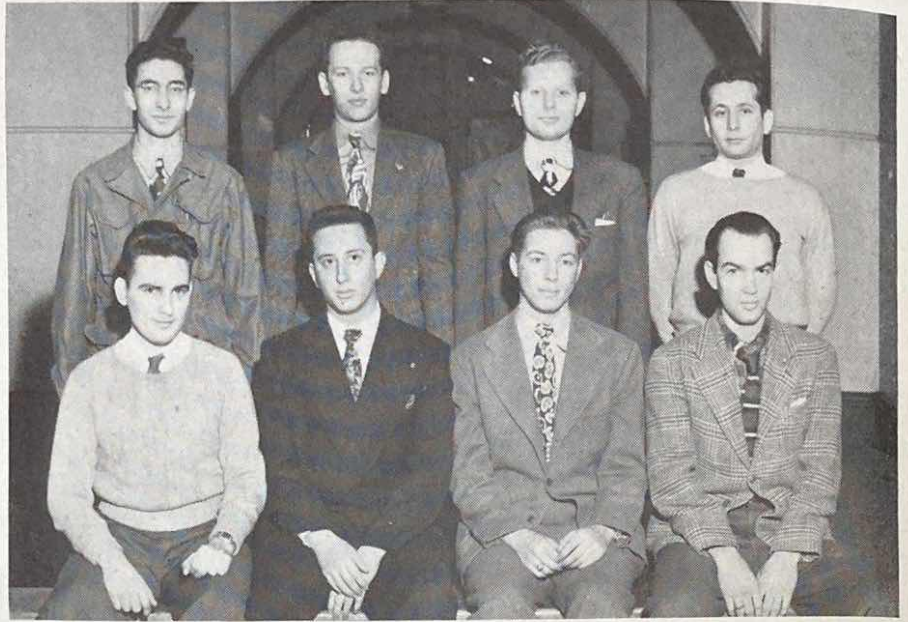
mechanical engineering mechanical

Top: H. Hirsch, C. Freeman, J.
Deare, S. Tenenbaum, H. Silfin, B.
Hillman, D. Young. *2nd:* N. Sacks,
S. Davidson, G. Rothmaler, E. Schmidt,
E. Wagner, C. Rohman, W. Haberman,
K. Halbert. *3rd:* H. Weidner,
R. Comminos, J. Friedman, C. Le-
vanis, E. Greenberg, I. Karsh. *Bot-
tom:* D. Gross, R. Kamerow, R. Sha-
piro, R. Orenstein, E. Safarty, K.
Zimmer.



Top: B. Heynick, H. Liebman, T.
Hicks, J. Boretz, A. Grove, A. Daw-
son. *Middle:* J. Marshall, Rollo, I.
Yago, I. Stern, M. Rainish. *Bottom:*
S. Cooper, C. Kilminster, A. Edelstein,
J. Minkoff.





Top: A. Eisenberg, M. Wachspres,
N. Epner, E. Goldberg. *Bottom:* E.
Cohen, J. Kass, S. Shapiro, G. Sil-
bermann.

electrical engineering

The EEs, put together, make up a group characterized by a fervid devotion to wine, women and machines lab reports. A group that never sleeps and lets the world know about it.

Each group has its own peculiarities and may be easily identified by them. For instance if you were walking through the halls and heard someone reciting a soliloquy behind you, a twist of the head would reveal a conversation between Assie Durlun and "Bugs" alias "Lamont" Bogens, the Shadow. It has been said that bugs was the first engineering student ever to buckle under his own slenderness ratio, but the factual background of this statement has yet to be determined.

It has been said that the EEs are the most boisterous group in captivity. This I now brand as a malicious truth which was most likely started by the Cooper Union Librarian. The main offenders go under the title of Squad 1 Elec Machines Lab. It is at Weiss and Sligman that the finger always points. "One more word and I'll put you out!" . . . and it is the soothing voice of Hashmall that echoes back, "What's the matter with you, can't you whisper?" . . . In order that they may stay in the library without being tossed out, Squad one has decided to present the librarian with a box of Postum for Christmas to soothe his nerves.

electrical engineering . . electrical engineering

Although Cooper has changed this year, it seems that some things just won't give in to Father Time. Donald Nelson still comes late to class as he pleases and Bill Warshofsky still keeps the class laughing. Dave Jagerman, in his free time tries to find out what happens when an infinitesimal is multiplied by infinity. It has been rumored that proud papa Mike Pappas has been trying to get someone to put a picture of his daughter in the PIONEER.

Some of the more ambitious students in this year's class are Artie Eisenberg, Mel Hellstrom, Jordan Kass and Ken Winick.

While all this is going on we find "Hotlips" Klein gazing longingly into the distance, wishing he were home blowing his trumpet while his ruby lips go flapping back and forth in the breeze to the rhythm of the Wang Wang Blues.

And now as we leave the EEs, it is possible to predict great things for members of its class. Who knows? Perhaps some day the Duskins and Boyens may make Bergen and McCarthy into a second rate show. According to Bier, Hausman may be founder of a great youth movement in America—Klein may wind up with his name in lights all over Broadway—and maybe somewhere, someone might even wind up as an engineer.

Dear Papa Reynolds,

We confess—we dood it!

The stains on most of the rocks in Mr. Robert's lecture room are not indications of iron cores, but of human blood. We were only expressing our ideas—physically. The night before the Christmas vacation started, some of the fellows got together at the Rathskellar and tried to forget about physics exams. The old sarge chuggalugged everyone under the table—the rest of the evening isn't very clear. However Logan did have a cute little chick with him—hmmmmm, how innocent can he be? We discovered the Geology field trip to Green Camp last term, that there are an awful lot of stones in New Jersey. During the trip, Bob Warshaw was courtmartialed for various counts . . . hitting an officer back, telling tall stories, and some sixty-three more. Donald Chilton acted as head judge and judging from his actions, it appears that he has had experience in court martials. Other ex-servicemen, of higher ranks than Pfc. Warshaw, acted as judges. Frank McClintock was Prosecuting Attorney and Lester Gabrilowitz and Jerry Gardner acted as Defense Attorneys. The rest of the class with the exception of Ruth Bowden were witnesses for the prosecution. *For lack of rope, the defendant was saved from hanging.*

civil engineering

The C.E.'s had the best team in the bowling tournament. Charley Herr, Gil Marin, Edwin Cohen, Joe Solomon, Eli Rubin and Bob Warshaw chalked up the highest score during the contest—988 points—when bowling against LSK. Notwithstanding this feat, the C.E. team was beaten in the final round. We also had the best volley ball team and walked off with the volley tournament. Honest "Skinny" Gardner umped the games and Ruth Bowden cheered them on to victory. The team consisted of Ted Aster, Ingram Logan, Gil Marin, Sam Erde, Joe Solomon, Eli Rubin and Bob Warshaw.

Furthermore:

Jack Gonick has a lot of talent when it comes to argumentation . . . See suave, latin-type Leon Hattem, the kid who didn't always have that shadow under his nose, for reference. Eli Rubin, 96, 97 and 98% kid, likes to let his homework slide! Joe Solomon's interest in photography gets him into peculiar predicaments—it is rumored that he even talks to art students! Eddie Cohen is taking orders for the stolen cars supplied by Mike Spronck.

In closing, dear papa Reynolds, we'd like to say that we appreciate all you did, are doing, and will continue to do for the future Civil Engineers who seek guidance from your department. In one word—thanks!

The C.E.'s

Top: N. Axelrad, L. Hattem, C. Herr, A. Solnick, J. Solomon, R. Washaw, E. Rubin. *Middle:* L. Gabrilowitz, R. Wengraf, J. Gonick, D. Chilton, G. Gardner, J. Greene, L. Ingram, M. Lester. *Bottom:* S. Erde, G. Marin, F. McClintock, R. Bowden, E. Cohen, T. Aster.



G. Erlemann, W. Garrison, J. Broker, G. Smith.



civil engineering

civil engineering

Top: E. Sledjeski, E. Sumner, R. Braca, T. Selldorff, A. Klein, M. Bornstein. *Middle:* R. Heins, I. Singer, A. Leonard, W. Summers, S. Macklis. *Bottom:* N. Pepper, J. Lieberman, M. Haufman, W. Meece, F. Rivas.



Top: S. Brody, I. Begelman, S. A. Trujillo. *Middle:* N. Perlmutter, S. Hirsch, G. Kaufman, W. Kastleman, N. Schwartzberg, B. Luberoff, F. Horn, L. Rubin. *Bottom:* M. Marder, O. Fleishman, H. Hockstadt, J. Harrison, C. Peterson.



chemical engineering

For the last few years the draft has been the nemesis of the Department of Chemical Engineering, but this year has brought with it a large influx of veterans. The laboratory had become so overcrowded that the class found it necessary to invade not only the organic laboratory but to intrude upon the privacy of the wild-eyed freshmen. Due to the large drainage of gas and lack of space in the laboratories, the burners didn't burn, the reactions didn't react, the heaters didn't heat, the gels didn't gel, and the acids didn't

Among the second year students are such cogs in the well oiled machinery as George (not the playwright) Kaufman, Owen (the bean-pole) Fleischman, Milton (the chessboard) Marder, Harry (the brain) Hochstad, and Charlie ("straight-forward — It falls apart") Peterson. In the Quantitative Lab, Stanley Hirsch, Herb Wagner, and Norman Perlmutter harmonize to the tune of "Drink to me only with thine H_2SO_4 ." And so to the strains of "Disconnect the Bensen Bairners" the second year class goes on to bigger and better things.

The third year of the chemical engineering is where the student really becomes a part of the department. It is a year of Organic and Physical Chemistry, of fluid dynamics and metallurgy. It is the year of preparation for the senior courses, the basic engineering principles which are to follow. And it is the year in which the student realizes that after the few short months of the fourth year, he will be gone forever from Cooper Union.

chemical engineering .. chemical engineering

This year, returning to swell the ranks of the class were several veterans including Abe Kaplan, who made his first appearance at Cooper in 1937, and after going on leave of absence in 1939, found himself in the army before he could return, and Fred "Red" Rivas, former captain in both the Air Corps and the last varsity basketball team to represent C. U. in 1942. Bill Meece, former Signal Corps man and ace left-handed burette operator, after spending three weeks at it, became quite expert at locating dead batteries in pH meters.

Of the non-veterans remaining, our number one yachtman, John Thomas Selldorff may best be remembered for his portrayal of Trudine Hassencleaver, star of the first AIChE Reception since 1943, while Jerry Seehof leaves recorded for posterity his "Seehokum" column in the 1945 PIONEER.

Behind the first postwar AIChE Reception was the guiding spirit of Artie "K-square" Klein. His classmates believe he will go far with his ever-ready witticisms, the sooner the better.

Having readjusted themselves to the routine of campus life, the members of the class soon picked up where they left off, and now, back on a peacetime basis, are eagerly anticipating the future.



etching by hilde weingarten

scratchboard by sylvia blumstein



art school

Top: M. Glancy, V. Milone, F. Havlick, V. DeNigris, B. Rothzeit, S. Tomczyk, A. Katz, A. Mitropoulos. *2nd:* I. Arnold, H. Jarshis, E. Crugnola, E. Jaffe, J. Rosen, A. Charlip, A. Yow, W. Hausman, A. Templeton. *3rd:* E. DiPaola, M. Benjamin, V. Mutchnick, B. Spiegelman, M. Field, N. Derenna, R. Ehrenberg, N. Kitogaki. *Bottom:* J. Hopkins, M. Wax, W. Finkle, M. Roth, H. Niese, D. Charney, R. Hubsch.



Top: J. Vidibor, J. Goldblatt, H. Duffy, C. Abend, A. Mortin, H. Shalat, D. Miller, L. Dubitsky, M. Miller. *2nd:* J. Seneres, R. Richardson, J. Pellatt, J. Flazik, R. Hinchman, W. Farr, E. Mevorah. *3rd:* M. Weinberg, G. Leibolt, E. Gerstein, B. Beal, M. Morris, S. Smith, M. Sassaman, E. Reitell. *Bottom:* T. Condit, D. Stewart, B. Swedowsky, M. Bezoir, R. de Natale, V. Liebowitz, T. Grayboff.



Top: J. Phelan, F. Zinna, Commandaros, G. Giordano, I. Fitzig, S. Kaplan, D. Woskoff, G. Huie, W. Hoest, W. Fitch. *Middle:* L. Weiss, R. Maxwell, G. Harada, B. Berliner, Cirlin, W. Moise, M. Guiriceo, J. Urban, M. Goldstein. *Bottom:* Nazimowitz, J. Gruber, L. Silverberg, M. McGuinness, F. Faruzza, L. Papazian, E. Mortenson, L. Pell.



Top: I. Jola, L. Lapilluzza, A. Grant, S. Spigelman, I. Wilhelmsen, B. Katz, N. Kunst, H. Lubowitz, A. Sherman, J. Cooper. *Middle:* F. Proverdi, A. Keitz, E. Wade, V. Horvath, P. Bates, M. Cobli, N. Broskman, P. Blumenfeld. *Bottom:* R. Cooperman, H. Tomczuk, B. Tyree, P. Herman, L. Marth, D. Kappel, C. Bruinsma.



day school

This year's freshman class seems to have a seriousness of purpose that is both wonderful to watch and yet vaguely disturbing. Most of the idiosyncracies that usually are synonymous with Cooper Union freshmen are missing. Although, this should be expected since we are, to quote Professor Shaw, "la creme de la creme."

Along about the first day we hesitantly inquired of upper classmen the routes to the various rooms. We had been informed via the grapevine that these hairy-chested brutes would stop at nothing, even to the extent of devouring half-baked freshmen. That's how we met Charlie, the guardian of our famous "circular" elevator, Cooper's landmark and monument of fame and distinction, and McSorley's.

Living up to our class motto of "never a dull moment—if we can help it", we enlivened many a boring moment by juggling stools into a semblance of the leaning tower of Pisa in the sculpture room—a locale peculiarly suited to the encouragement of infantile delinquency, with its weird cubist compositions that looked as if they had been slapped together by some impetuous moron.

The majority of us are ex-service men, who have finally started our freshman year after a brief sojourn with the armed forces. Our equipment is of the best; the largest pads, the most expensive brushes, and the most elaborate books. GOD BLESS OUR GOVERNMENT. All this just goes to prove that Cooper Union has at last received its supply of men. No longer is there a dominance of swishing skirts and flying hair gliding through the halls on padded feet . . . no indeed, this year we have men.

freshmen art...freshmen art...freshmen art

Vic DeNigiris, the man with the winning laugh has our vote for the "fur-lined tool box". Then we have Finkle, the man with winning self portraits subtly entitled, "Belgian Work Horses". We do however, have our more serious members, the "Middle-aged" ex-servicemen, as Crugnola calls them. Shining examples of this group are the honorable Messrs. Crugnola, Iarshis, Mitropolous, Yow and Millone. This stately group of hard working students provide a wonderful criteria for our class. In this respect we might also include "David" Roth and "Goliath" Bernie.

Then take Herb and Al. They don't need guns to kill you, but drop around at lunch time and they'll murder you with their vaudeville act in which Al is the straight man. The musical boys, the two Georges brought us harmony with our sculpture. Bill and Marty were forever clicking cameras. Fred, though not an Astaire, proved comparable. Abner tried to teach us the philosophy of man, while Joe will always be remembered for his Loft lunch box.

Our real initiation into Cooper came with Mr. Dingilian's texture problem. After weeks of eating, sleeping and talking texture, most of us wound up with his famous "texture complex."

Our first year at Cooper has been a year rich in experiences, not the least of these being the awakening to the realization that "art sure is the stuff", and we look ahead with new resolutions and crossed fingers.

Here we are scrubs at Cooper Union, and who'd-a-thunk-it? How could we forget those torture chambers when first we passed through these portals on those fateful dark and dreary nights, struggling through our entrance exams. Life here is never monotonous, never grown used to, for these halls are always buzzing three hours four nights a week. For instance: upon entering "Brown Eyes", Al Sherman was sent on a gay little treasure hunt, the prize being none other than one of our spacious? . . . lockers. Upstairs and down he had a merry chase looking for our reasonable facsimile of Fibber's hall closet.

We've had a lot of fun, though, and will have some swell memories to look back on when we get too weak to pull our wheel chairs up to our easels. It all began with the musical chime sound of "Katz, Kietz, and Kunst" each time the roll was called. Right after them came the Cooper "Swamie" who hypnotized everyone except his teachers, and the whistles Victor Papenek's shell pink smock drew the first time he wore it to class.

Next on the agenda is Irving Yollis with his steel wool ringlets and his numerous lady loves; Herb Lebowitz and Gabriel Katz, the class *borrowers*, with their "Say buddy, can you spare a brush?"; and Cora Bruinsma's trademark, the little brown hat with the little brown bag; and remember how anxiously we all waited for "Daddy" Jules Scherer's new baby?

freshmen art...freshmen art...freshmen art

We can still laugh over the time a substantial citizen of the Bowery followed us back into sculpture class after a fire drill. He took one look at our *masterpieces* and was last seen headed uptown.

Without the slightest doubt, I'll bet that Elsie Bahr and Paul Blumenfeld never dreamed their paths would cross—and they certainly did, for these two met within our hallowed halls and were married during the Christmas holidays—AND—like all the rest, are apartment hunting.

Not that there has been a cigarette shortage, mind you—but why—for heaven's sake, must Diana Ferrando smoke cigars, and Jackie Eisenberg a pipe?

And how about the not so smart little secretary who thought she was, and took her lecture notes in shorthand, almost having a nervous breakdown trying to read them back. This could only happen to a Night Art freshie.

Art Kane has a wonderful repertoire of songs which he composed, and at parties, for hours n' hours, we'd sit and listen to him sing. That guy! He's so versatile! He even takes out women!

Just a washout on the sands of time, we leave these stirring lines to the next freshman class:

In creative design we expressed ourselves,
With architecture we distressed ourselves,
In sculpture class the plaster flew,
In drawing all we did was drew.
That was Year One;
Wonder what's ahead for Year Two?



Top: T. Life, J. Collette, R. Dunetz, N. Demas, N. Blau, C. Walcutt, W. Sweny, M. Bellah, H. Mayer, D. Scott, F. Spiegel, S. Grubenstein. *Middle:* A. York, R. Riccio, D. Perl, R. Bogdich, C. Glass, E. Ross, G. Spitzer, L. Violante, J. Palumbo. *Bottom:* M. Weinstein, M. Schweitzer, L. Landwehr, A. Morgan, A. Olesen, A. Harter, P. Zeis, P. McIntosh.



Top: J. Messina, G. Santaniello, L. Happel, W. Konowitz. *2nd:* W. Bua, W. Murphy, S. Glick, F. Santangelo, E. Held, L. Medici, H. Konwiser. *3rd:* L. Kent, J. Kaplan, J. Pamerton, G. Stein, S. Tuba, S. Topchik, B. Marchini, M. Markowitz. *Bottom:* R. Vernon, C. Grisolino, G. Purpura, M. Fields, G. Durant, E. Takaro, Z. Kaplan.



Top: H. Hansen, E. Funk, R. Pacifico, E. Cleming, R. Schwartz, R. Schoener, H. Mullings, I. Edelman, E. Tirnetta, A. Lubell. *Middle:* M. Brickman, G. Flamm, J. Hadzi, H. Bornstein, J. Sarfaty, W. Herlitzchek, M. O. Diamond, F. Levine, M. Donattiello. *Bottom:* A. Kasai, J. Dorsey, S. Ginsberg, S. Marantz, B. Trachtman, A. Sacks, B. Frank, J. Schurer, E. Steinbeck.



Top: J. Hennessy, J. Milliuchuk, R. Nicolson, L. Vaselopulas, K. Neilson, A. Koff. *Second Row:* G. Leavenworth, D. Weitz, T. Nowak, A. Kane, M. Mandel, V. Caruso, R. Spielman. *Bottom Row:* G. Elliot, B. Black, D. Ferrando, R. Magasiner, J. Eisenberg, T. Hilseniad, L. Levi, E. Neri.

sophomore art

Top: E. Sakalian, D. Epstein, A. Zules, H. Josephowitz, Zihal, H. Grossman, A. Simon. *2nd:* E. Mante, T. Boutis, A. Greenberg, R. McCoy, N. Marchica, D. Arje, J. Coleman. *3rd:* Y. Rood, M. Hoffner, S. Fenrow, D. Ferber, L. Heilbrunn, F. Penn, M. Gatewood, J. Cuff. *Bottom:* S. Ross, M. Zimmerman, G. Wolff, M. Flaherty, M. Balunis, W. Freiman, A. Mittelman, M. Wolff.



Top: I. Margulies, S. Berliner, R. Cummins, A. Mazzola, H. Kurtin, M. Haynes. *2nd:* B. Pawluk, N. Mariscano, P. Palazzo, I. Glusker, G. Maffei, K. Grieshaber. *3d:* M. Wolf, L. Cooper, E. Mayerbaul, W. Adelson, B. Jebaltosky, A. Mittleman, M. Zimmerman. *Bottom:* G. Fuchs, C. Solomon, D. Bradley, F. Rashkow, M. Zeller-mayer, E. Tillinghast, J. Goldstein.



Top: L. Bernstein, A. Zalon, J. Simkins, Mr. Hovannes, J. Silvestri, T. Sneyder, C. Weininger. *Middle:* M. Cliff, A. Kahare, J. Cohen, C. Schnapp, J. Pizzo, M. Fox, B. King. *Bottom:* J. Lang, J. Moessner, M. Ranken, R. Foley, L. Moseley, S. Jahr, E. Mortinson.



day school

The Third Avenue 'El produced its unknown billionth vibration as we breathed our first deep breath to mark the end of our second year. Engineers' beliefs to the contrary, some art students work—and we did!

Some of the students were in pursuit of Architecture, others in pursuit of Fine Arts, the rest were just in pursuit . . .

We're all proud of our year though, and if years could talk they'd be proud of McSorley's . . . Nathan is proud of the library and we're sure the library is proud of the fines it collects . . . Rheita and Emily are proud of Yonkers and Yonkers is proud of its ferrys.

sophomore art...sophomore art...sophomore

However, this class of embryonic Paul Rands and Cassandres had its full spectrum of characters in the best Art School traditions. There were the fellows who left class ten minutes before break time because they smoked king-sized cigarettes, and the lunatic fringe who wanted to do a limited edition of ten-dollar bills as a problem in graphic design.

On *Pearl Katz Day*, the key to Cooper was awarded to our efficient Poil in celebration of her birthday. We just found out that Hal Grossman is a member of our class. Busy as editor of this yearbook, the farthest he ever advanced in his classes was to answer "Here" at roll call. We may very well inform you that you can't judge from appearances. A good example being Julie Simkins: he looks intelligent! Al Zalon doesn't but is. Jean Cohen . . . now let's not get nasty. *Why can't Mr. Marein's advertising girls handle an airbrush???*

Serene Chief Grieshaber silently lamented the passing of the Indian nickel. "So Sioux me," said Chief G. Irwin Glusker, who never permitted a hush to settle, tried to organize a demolition squad to blow up the 'El. The rumbling interfered with his lecturing in Humanities. "Muscles" Molly Zimmerman bent a bicep to stage "The Beautiful People", in which Arlene Mittleman acted the wispish St. Agnes of the Mice. Arlene, when sympathetically accoutered, looks *tres distinguee* . . . That's French for " . . . with every brick in place".

Any day now, the etching class expects to be sitting in on an engineering lecture what with a certain Miss, burning Fox holes through to the fifth floor . . . And can we ever forget Shirley Fenrow's chartreuse slacks. Roy Palhof and Harold C. keep telling each other how tired they are and along with L. Sheldon are perfecting a new type of "Keep Awake", pills with a double action; Action-1, you swallow the damn thing; Action-2, you drop dead.

And so we end our account of a wonderful year, knowing that our parents after reading this page, won't repeat the well-worn question, "Where are our children?" . . . they'll know!

evening school

The fall of '46 found the second year night art hale, hearty, and ready to tear into their work. Before long they were ready to tear it up, but that's another story. Having sunk their teeth into their work, they gallantly fight the shades of Morpheus, and if they could lift their drooping lids, you would see the fires of undying love for their creations, within the purple depths of their eyes. Although Mr. Mangravite claims we think of nothing but gastronomics while he talks of aesthetics.

Our class as a whole is wonderful though; chuckful of egotists, but cooperative. When we mix paints, there's always some latecomer stalking around looking for something to do. "Can I help?" But it's too late, and for these people is left the ugly job of cleaning up at closing time.

Many veterans have returned to C.U. and the second year has its share. They are a fine group of serious-minded young fellows who nod knowingly as Mr. Willard imparts to the rest of the class some of the same information they had heard four years ago.

The second year attacked Camp Green early last fall to take advantage of the fine autumn weather. Millie Gruber and Marvin Oberman found swimming in the lake at its best, especially while still attired in dungarees, etc. Their excuse—it was a little too cool for bathing suits.

In the middle of the term we lost our favorite songstress, Pearl Mecklowitz, who did such a grand job of entertaining Friday nites at the Dance Club. Pearl left C.U. to devote full time to her musical studies. Sometime during the year, Mr. Oberman and Louis Trakis managed to acquire a "little fireplace surrounded by four walls" across the street from the school. Nitely pilgrimages were usually made during recess to the "great room" which usually lacked sufficient furniture . . . something had to be used for firewood.

sophomore art...sophomore art...sophomore

James Moon devoted himself to strange and not-for-the-layman work. With his perpetually tired look and colorfully fronted smock we elect him typical Fine Arts Student. But we have our conservative elements also. Take Charles (Smitty) Smith, for instance. Wonder if he ever did sell that quarter for a dime? He's a good businessman, if it really was made of lead. And we have a mighty constructive contributor in Bernard Wohberg, who seems to believe smirks and chuckles are an important incentive to richer work. Knopfelmacher is truly unique, a grand person with flowing creativeness. His work will make you stop and look again.

We are a proud class and would gladly fight for our ideals. We've had many additions this term. Proof positive.



Top: L. Weisbrot, Borkin, P. Friedlander, M. Elnger, Weiss, Head, N. Rubenstein. *Bottom:* B. Brezel, R. Welsh, R. Miller, J. Daniels, M. Kaiwagh, S. Wasserman, M. Levitsky.



Top: Friend, C. Herrforth, C. Hado, L. Potter, I. Levine, M. Slotkin, D. Forlenzo, T. Williams, S. Saidel, H. Klein. *Middle:* H. Borysewicy, G. Wohlfarth, L. Salensky, J. Katz, H. Sanders, A. Sultzer, E. Brodsky. *Bottom:* W. Blumenfeld, W. Matters, F. Rola, S. Vitali, E. Frank, B. Kupchynski, A. Panasci.



Top: J. Knopfelmacher, J. Moone, C. Smith, C. Lader, S. Raffo, L. Stengler. *Bottom:* P. Galowin, M. Crigsby, S. Chuzit, P. Hiller, F. Sidor, J. Rodriguey, B. Doyle, M. Nebel.

art sophomore . . . art sophomore

Top: H. Comerro, M. Simpson, M. Weiss, J. Fumero, S. Tanenbaum.
Middle: E. Mortenson, A. Meck, S. Simmons, Prof. Lichtblau, H. Meisel, R. Schreiner, L. Dodd. *Bottom:* M. Meadows, A. Shore, P. Katz, E. Blumbaum, P. Reynolds, R. Resnikow.



Top: W. Bailey, J. Ferman, H. Miller, E. Martinez, Freitag. *Middle:* E. Ford, E. Clark, H. Albrecht, I. Richardson, C. Dreesen, M. Falk. *Bottom:* C. Scutellano, A. Maron, B. Goldblatt.



Top: J. Ferman, M. Simpson, E. Kanarek, F. Wachler, B. Berg. *2nd:* R. Yagota, M. Goldstein, M. Sweeney, D. Barlow, A. Dick, D. Anger. *3d:* P. Stark, R. Resnikow, E. Mortinson, E. Winter, B. Drucker, J. Accola, B. Alldredge, R. Schreiner. *Bottom:* S. Canales, H. Flak, M. Cassler, H. McClowkey, H. Constantine, S. Fidelman, D. Clark.



junior art...junior art...junior

The moon rises high over the bowery and ye Art Night Juniors again file into alma mater. See the deadened expressions on their expressionless faces as they trudge into the elevator. No sound is audible as Charlie brings them up to the fifth floor where, like automatons, they stumble to their lockers. For, Night Artists are a serious lot, working by day, living only to create.

Into the lounge for a cigarette, a cigar, a Turkish water pipe. The lounge at night is always black, smoke filled. However, in the corner you can see Sylvia Mediasky giving Mike his nightly Yiddish lesson. Louis and Alphonse are silently strumming on their stringless ukeleles a happy, carefree dirge entitled "Chugga Chugga Steam Roller," a song very popular with night Juniors, who, even now, are throwing T-squares and palette knives at the duo in gleeful appreciation. In another corner, Charlie Lillin is charming several girls with his suave geepmanship. At 7:10 someone stands and announces he is off to class. Two or three others follow him, and by 7:30 the lounge is empty, except for Dale Clark, whose leg is caught in the waste paper basket.

The students are beginning to liven up. Sam Berman is at his wife's drawing board criticizing her lettering. Jack Kamma is flirting with the model behind his painting of September Morn. Rita Stern is fighting off Sam Rockmaker, who thinks she is her twin sister Muriel, and is trying to sell her a subscription to Batman Comics.

Domestic Life took from us a number of our women including Elena Carcel, Mike Barretts, and Glory Frey. Engagement rings became plentiful, and among those adding to the sparkle were Joan Koenig, Sherrie Adler, Doris Anger, Roz Yagoda, and Elaine Lieb.

We learned a neat Tango and a snappy Rhumba down at the dance club on Friday nights, with Sylvia taking our money at the door, just as usual. Charlie Lillin came back to school, lively as ever, as we knew he would. With two people sharing one locker this year, our cubicles soon got to look like Fibber McGee's hall closet. The crashing of supplies onto the floor, and the oaths which followed, became familiar sounds.

Of course, we had our good times at Green Engineering Game—despite our indigestion and our toboggan bruises. Recall how we watched the strange colors in the fire after we had sprinkled gypsy powder on the logs . . . and we played the Burl Ives records over and over . . . and we all sang familiar songs and danced in our stocking feet.

art . . junior art . . junior art . . junior art

Then there was the night Professor Shaw found us in the lounge before eight-thirty and made us listen to all the verses of "Huggin' and Chalkin'."

We welcomed a new teacher, Mr. Marsicano, who encouraged us so much during informal chats. Those of us who took lithography didn't tire of inviting members of the opposite sex to come to see our "etchings." After three years at Cooper, Sid Perlman and Irv Schiffman continued to chase the life class models with freshman zest.

All in all it sure has been swell—too bad we've only one more year to go. Here's to making it an even better one!

Top: A. Normandia, C. Lillin, L. Trakis, E. Roffman, A. Gargagliano.
Middle: E. Blum, S. Tusaka, L. Buman, V. Barns, M. Pappageorge, F. Fox.
Bottom: R. Stern, G. Murray, P. Wollins, L. Kreiger, Begg.



Top: J. Eisenstadt, P. Pellek, E. Schultheiss, I. Schiffman, P. Hershell, S. Pearlman.
Middle: A. Folks, N. Boland, M. Stern, S. Konal, M. Hausman, F. Bickhar.
Bottom: C. Ehrler, H. Asher, E. Brodtkin, L. Israel.



Top: L. Kessler, A. Normandia, L. Trakis, K. Mills, R. Stoller, A. Peters.
Middle: M. Guzik, M. Tallos, P. Brunner, L. Robinson, B. Green, M. Kaufman, S. Sophrin.
Bottom: S. Medaisky, E. Leib, G. Benedetta, L. Perlick, A. Butkus.



day school

The end has finally come for the Freshman Class of Three years ago. Ours was a class born in the war year of 1944 and considerably augmented with the passage of time by veterans of the late international insanity, such as Al Blaustein, Hal Altman, Henry Zellerman and Louis Finklestein, who turned out almost uniformly good work. In our class, the most outstanding people are the ones who did the most to call attention to themselves and it is natural to speak of them when one wishes to characterize the class. We owe a lot to the quiet ones for keeping the rest of us from having turned Cooper Union into an insane asylum. As it is, Peter Cooper's ancient edifice seems little the worse because of us.

In spite of the determined zaniness of certain characters amongst us, non-violent disputes on such diversified subjects as art, politics, sex,

senior art . . senior art . . senior art . . senior

religion and time-space were not hard to uncover. We were fortunate in having members of many racial and religious groups in our class, and in the entire three years there was not one minor riot.

In a few years from now many of us will no longer see each other, but little nostalgic questions will creep into our minds. Do people still call Ethel Berkow "Easel"? Has Clara Swead yet painted one picture at a time? Do Alice and Sheila still look like Sinatra fans? Is Burgess still creating monsters? Can Luisita still say "N'est-ce pas?" Is Dotty Derchin still delving into the mysteries of the psyche? Does Irwin Frank still laugh that way? Do Sally, Irma, Nancy, and Dotty Woods still knit like a pack of fiends? Does Dolores still look like a page out of "Vogue?" Does Don Bartsch still trip over his feet? Is Millie Frey still reading Huxley? Did Bob Barrison ever take a rocket ship to Mars? Do Anita Shulz and Helen Stein still play bridge? And those architects who hid downstairs—Wally Chu....., Annette Dick, John Iulio, etc.—what architectural atrocities have they given the world? Of such stuff will our reflections be made.

We are all bound to miss Cooper. It has been our daytime home for a long while and its influence will be hard, if not impossible to shake off. How long before we no longer use words like geep, yas, keen and crolboing? And will the day ever come when we will abandon the honored rite of elbow waving? And the day, perish forbid, when we will no longer philosophize, "Anything for a gag?"

As we were going to Cooper we saw our world changing and we wondered with the rest of humanity what would be our fate. Never can we forget truly significant events that occurred during our stay here which will always be part of our memories of Cooper; the exciting days of the '44 elections, the sad day when FDR died, the joyous day when Germany finally gave up, the important days of the beginning of the UN upon whose success all our grandiose plans hang. Now as we graduate we are all planning futures and hoping that all will go well. Some have picked out their mates while the rest of us continue to scan the horizon. Kitty and Clem, Arline and Howard became engaged, while Lily, Lenore, Lulu, and Honey B., married outside the art school previous to graduation. The world may or may not be preparing its destruction, but the belief seems to be strong with the sons and daughters of Peter Cooper that *omnia amour vincit*.

evening school

From the start this active crew was not only hard working, but also hard playing. They managed extra-curricular activities even while most of Cooper's men were in the armed services. At least one all-female club was formed. The F F's as they called themselves, did most of their playing at Camp Green and Mother Hubbard's (until prices went up). But at no time would they divulge the secret or purpose of their hen club. Since they are safely on the way out all can be told. Attention all curious males who offered bribes and suggested everything from "Frustrated Females" to "Femme Fatale..". We've discovered the sole object of this group was to glorify their loving instructor, affectionately called "Fish Face", better known to all as Mr. Thomas. Later that pleasant chap with the mustache, Achille was added. He was called C. D. or "Cookie Duster". Still later, the rambunctious Dale Clark became their I. P. or the Idaho Potato. But ten girls cannot share one or even three men and they soon were busy cementing friendships with those lovable engineers. Sydne always manages to keep the cement damp, making sure she could skip away each time before it had set. All this while doing research for her book "Shy Men are Dangerous".

These were all later developments of course. Going back to the first year, we find them somewhat green and a little bewildered when Mr. Radoslavich suggests plenty of "closets" in their designs for living.

By their second year, they were fast friends. Dom La Gana had become a papa and was complaining about not getting enough sleep. Norma Cordano could usually be found with her head buried in Vogue, exclaiming "It's luscious", and Deli Leider discovered Mr. Mangravite.

Third Year brought back some of the vets, including a good advertising student who could cut mats beautifully—his name is Freddy Streitfeld. Also back; Ed Murphy, Don Ogilvie, Sam Sedano (who couldn't decide whether to stay in the hall all night or go to class), Sam "Rockbuster", "Sweet the elder" and the very talented Paul Peich. Flo Brodsky left to become engaged and Jackie Bisset went home early every night to wash her hair. Virginia Dolan became a proud mama and Olivia and Henry took the fatal step. This was the year the industrial design group re-decorated the student lounge, much to the joy of barracks weary vets, who left back in the days when Cooper had no lounge at all.

senior art . . senior art . . senior art . . senior

Last year, our talented Gene Murray returned with a crew cut to add to those white shoes—anyway they're different. By now everyone knows you mean Arthur Fingeroff when you mention good advertising assignments. This was the year one tubular dress made its bow (for this generation, anyhow) and most of the girls own two sacks at least.

Ilse Rothner and Margaret Ferrarie live on the campus (Ilse in a beauty of a place painted eight different colors). Both expect huge returns from their book "Butter Crunch for the Masses", or "Who fed Pissaro while he starved."





Liebowitz

activities . . . green camp . . . pioneer



yacht club . . . cable . . . dance club . . . rifle club

student council

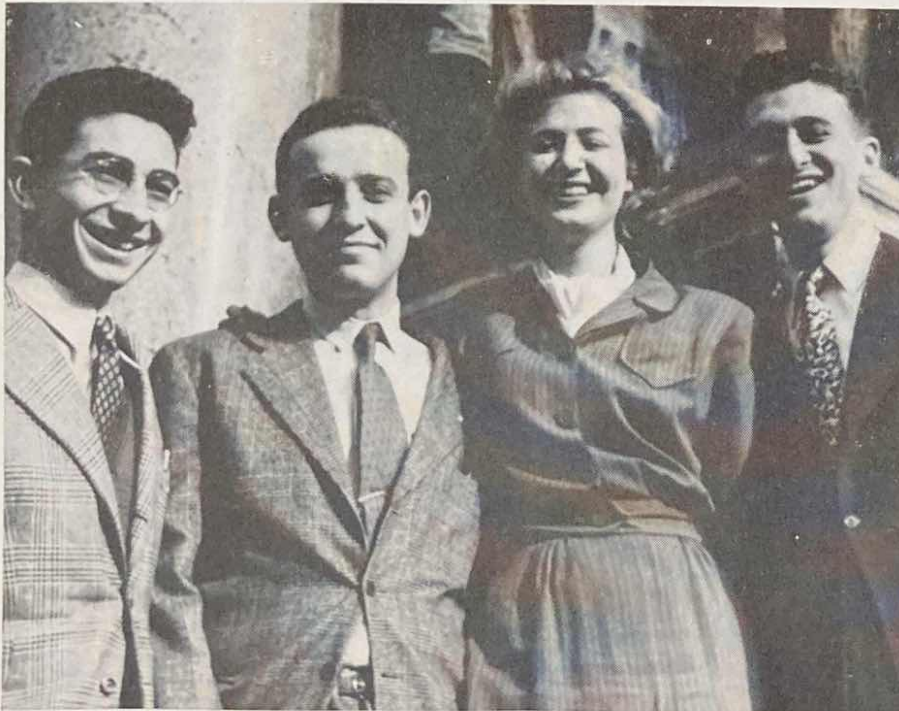
Getting off to an early start the Student Council held its first organizational meeting of the year shortly after the semester began. The officers elected were Gerald Lieberman, 6D.M.E., President, Marvin Teitelbaum, 7D.E.E., Vice-President, Ethel Berkow, 3D.A., Secretary, and Arthur Eisenberg, 3D.E.E., Treasurer.

The Council immediately plunged into the business at hand. Among the new clubs approved were the Peter Cooper chapter of the American Veterans Committee, a revitalized Rifle Club, and a similarly reorganized Athletic Association. While it was impractical to send delegates to the convention of the International Students Council, The Cooper Union nevertheless enrolled its membership and hopes to make a more active part in the future.

Several actions which will remain precedents for the school were taken. A policy of monthly joint F.C.S.R.-Student Council meetings was inaugurated. The purpose of these meetings is to facilitate ironing out of differences and acquaint each other with their respective problems. At present, the Student Council is attempting to reorganize the present inadequate system by which students receive their grades.

Among the perpetual problems that are as yet unsolved remain the waterproofing of the lunchroom and the establishment of a lounge for the techmen.

On the lighter side of things, a successful "Get-Together Dance" was sponsored at the beginning of the year, and a Masquerade Dance is now in the offing.



L. to R. A. Eisenberg, G. Lieberman, E. Berkow, M. Teitelbaum.

activities plan

The backbone of many extra-curricular activities found in the Cooper Union is the Activities Plan. Besides financing the *Cable*, *Pioneer*, and the Annual Dance, it has inaugurated, for the first time, a plan whereby clubs may be financially backed upon request.

The pledges which are signed by the students at the beginning of each school year form a basis for all budgets and limit or enlarge the scope of plans for that year.

During the school year of 1946-47 the Activities Plan was run by Pearl Katz and Morton S. Tanenbaum, chairman and treasurer, respectively, ably assisted by June Goldstein. The untiring efforts of these students make the Activities Plan an effective central organ of financing school activities and so fulfilled its post as one of the most worthwhile organizations at Cooper Union.

Cooper Union has reached its maximum student enrollment and is almost back to the pre-war level in student functions. The greater the interest in student activities in 1947-48, the more social events such as the "Get Together"—free to Activities Plan members—and the Masquerade Ball—both successful social events—may be planned for its members' enjoyment.

The future looks bright—with increased student participation in school activities, more people understand what Jack knew about work—all of it and no play—doesn't work. There is lots of fun to be had at school with Cooperites—right at hand—just look.

annual dance

We traveled and we traveled (that is, those of us who live in Brooklyn), but when we finally reached the Concourse Plaza, we forgot that the next day we would have to get up early, and just enjoyed ourselves. There was ample room on the dance floor, and lots of empty chairs at the tables reserved for the faculty.

The dance committee consisting of Ruth Resnicow, Peggy Reynolds and Sam Erde did a fine job on their choice of Johnny Messner's band, and on their provisions for continuous music all during the evening. The main festivity of the evening was the choice of a king and queen. Queen of the dance was Lotte Heilbrunn, who won in a close contest over Sally Fairchild and Lusita Keeley, and the king chosen was Logan Ingram.

So here's to a bigger and better Annual Dance next year, and to one which Alphonse Normandia will be able to attend instead of spending the evening in jail for strolling on the railroad tracks.



L. to R.: P. Katz, M. Tanenbaum.





L. to R. J. Vidibor, J. Simkins, H. Grossman.

the 1947 cable



Dear Reader,

It is about the end of April of every year that a familiar outburst is echoed through the halls and dusty foundations of Cooper Union. It starts from next to the Pioneer office, to the effect of, "THE CABLE IS OUT!" After the Police Emergency Squad and the A.S.P.C.A. have gone and the populace of Cooper's classrooms have reappeared from under their tilt top tables and from inside their lockers, they discover a strange bound conglomeration entitled CABLE. "Who and what is the CABLE?", they ask. After flipping through a few leafs, they shout with glee, "There's Shoiley and look at Joe, he looks like the Wolf Man!"

As usual, we started off with the preconceived idea that this will be the best yet of Cooper Union's 26 published CABLES. Its resulting effect we leave to you.

After an explosive start, the staff dwindled down and became known as the CONSPIRING THREE, namely, Jerry Vidibor, Julie Simkins and myself. Jerry started the ball rolling with an extremely successful advertising campaign which pulled us through our budget troubles, of which Pearl Katz kept reminding us. When Julie joined us one Friday evening at the Empire Theatre in Newark, we decided then and there "how this h'yar book was gonna be like." Here on we managed to corral a few other victims to assist us. Jerry found Rheita Schreiner, to do some licking of stamps, Julie discovered another of the Reiman clan in Elizabeth, and together they managed to type out a few droll stories for the book. I, unexpectedly dropped into the office one afternoon to find Maxine Field just sitting there with open arms . . . Max had just finished some posters for me.

Now that the 1947 CABLE has passed through the presses and is now in your hands, I can truthfully say that although schoolwork is sacrificed at times for the necessary consuming of time in publishing a year-book, there is a certain amount of experience and enjoyment derived from the production of a publication as this. Carry on the tradition—1948 CABLE!

Hal Grossman
Editor-in-Chief
1947 CABLE

Seated: J. Goldstein, D. Ferrando, P. Katz, C. Schnapp, B. Waldman, A. Simon, J. Spool, R. Resnicow, J. Goldin, M. Greenberg. 1st Row: W. Landauer, M. Bornstein, I. Spiewak, E. Sakalian, G. Marin, B. White, S. Girsch, W. Pepper, S. Smookler. Back Row: P. Galidos, A. Normandia, D. Burgess, J. Harrison, E. Kohn, O. Fleishman, H. Hirsch, K-Square Klein, T. Selldorff, N. Pepper, H. Dombrowski, H. Wald, P. Gonzales, A. Eisenberg.



the pioneer

Rewards for service on the PIONEER are twofold. There is of course the feeling of accomplishment whenever the finished newspaper is placed in the Foundation building for distribution. And there is the reward of late Friday night beering sessions when the PIONEER is put to bed at Mac-Dan's bar across the street.

The general influx of veterans in the school was also felt on the PIONEER. Walt Landauer returned to assume the position of editor-in-chief of the paper. During the second semester, he shared the editorship with Jay Goldin. Under their capable direction the physical appearance of the paper was vastly improved. Robert White, a former business manager returned as associate editor. Sam Smookler, once editor-in-chief, came back from the navy to become a columnist for the PIONEER. Murray Greenberg and Arthur Klein took up their feature writing where they left off in 1944.

Elliot Kohn, long a member of the staff, and formerly a business manager, was made associate editor in the second semester. Murray Bornstein, news editor for a year and a half became the paper's managing editor when Don Weinblatt returned from service to resume his former position as news editor. Irving Spiewak continued to serve as business manager for a second year, when he could take time off from his never-ending bridge sessions. "Warming the Bench" was written by Gil Marin throughout the year. Al Normandia contributed a comic strip which proved to be a very popular feature. And Elsie Sakalian saw to it that the finished product was distributed.

No story on the PIONEER would be complete without mentioning the fabulous decorations on the walls in the PIONEER office. Here, in photo and caricature are chronicled the doings of the PIONEER and its people throughout the years. Old timers on the staff are still bemoaning the fact that Elsie's unmentionables disappeared from the walls. But, *sic transit . . .*

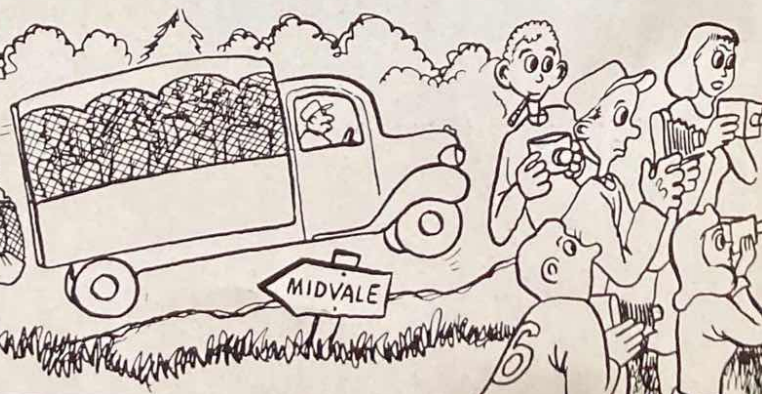


green engineering camp . . .

The Green Engineering Camp, located in Ringwood, New Jersey, was presented to The Cooper Union by Mr. Norman Hewitt Green as a memorial to his mother. It covers a tract of approximately 936 acres, can accommodate 120 students, and is only 45 miles from Cooper Square. Professor J. M. Peterson is the guardian angel in charge of the Camp, and Mr. Harry West is its superintendent.

The Camp is made available for instructional and recreational purposes all year round. On weekend trips, students are required only to bring food and supply their own transportation. During the past year, many groups, both Engineering and Art, have visited the camp. Its acres, beautiful grounds, comfortable rooms and dormitories, its well-equipped, up to date kitchen and the huge recreational lounge, which contains everything from a library and a phono-radio to a fireplace and a couch on which to relax your weary bones, (from study?) makes it ideal for summer as well as winter relaxation. (Orientation groups may question this point—weekend groups will not!)

During the winter months, it is not uncommon to find Cooper students visiting the camp, engaging in all kinds of winter sports. Toboggans, and the slight hill next to Mr. West's home, plus the snow that Old Man Winter so generously



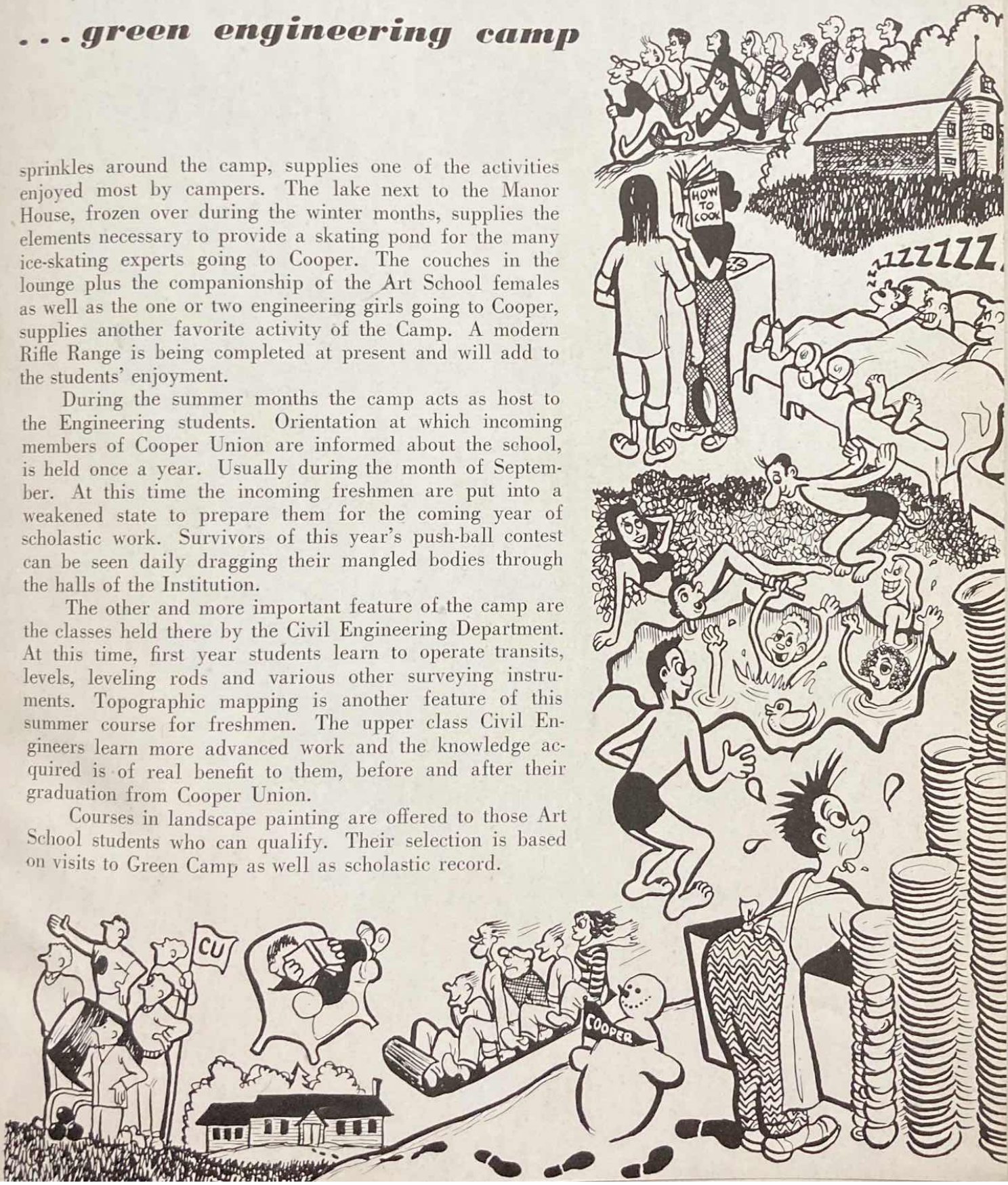
... green engineering camp

sprinkles around the camp, supplies one of the activities enjoyed most by campers. The lake next to the Manor House, frozen over during the winter months, supplies the elements necessary to provide a skating pond for the many ice-skating experts going to Cooper. The couches in the lounge plus the companionship of the Art School females as well as the one or two engineering girls going to Cooper, supplies another favorite activity of the Camp. A modern Rifle Range is being completed at present and will add to the students' enjoyment.

During the summer months the camp acts as host to the Engineering students. Orientation at which incoming members of Cooper Union are informed about the school, is held once a year. Usually during the month of September. At this time the incoming freshmen are put into a weakened state to prepare them for the coming year of scholastic work. Survivors of this year's push-ball contest can be seen daily dragging their mangled bodies through the halls of the Institution.

The other and more important feature of the camp are the classes held there by the Civil Engineering Department. At this time, first year students learn to operate transits, levels, leveling rods and various other surveying instruments. Topographic mapping is another feature of this summer course for freshmen. The upper class Civil Engineers learn more advanced work and the knowledge acquired is of real benefit to them, before and after their graduation from Cooper Union.

Courses in landscape painting are offered to those Art School students who can qualify. Their selection is based on visits to Green Camp as well as scholastic record.



literary club

Still living in the *glory* of last year's *Pen Tracks*, the Literary Club set about early in the year to duplicate its success—that effort culminating in a new and better magazine. As an added attraction, we became affiliated with *Pulse* magazine, an inter-collegiate literary and art publication. Cooper was well represented in the first *Pulse*, we participated in by eight drawings and by behind-the-scenes layout work. Thus, another creative outlet was added to the Literary Club and Cooper Union.

Pearl Katz eagerly and ably served as president; June Goldstein, as vice-president; and Lotte Heilbrunn was the secretary. They worked respectively as Managing Editor, Publicity agent, and Art Editor of *Pulse*, Miss Heilbrunn also acting as assistant to the layout editor.

We were pleased to count among our regular members the inimitable Burgess and Irwin Combine, our lurid lovelies, Sally Fairchild, Ted Snyder, Larry Bernstein, Jackie Lang, Mary Flaherty—and not to forget the engineers, Murray Lester and Bob Levine.

The Literary Club look forward to more *Pulses* and *Pen Tracks* as well as the friendly and enlightening meetings, lead by Dr. Buckingham, and sometimes featuring surprises—such as our condensed version of a Folk-Song Festival.

debating club

Reentering the dialectic arena this year with renewed vigor, the Debating Team aided and abetted by the return of two veteran pre-war debaters, Carl Fisher and Bert Lief, opened the series by taking on Columbia University. It was a non-judged debate, but audience reaction gave Cooper the victory. The second opponent on the agenda was New York University, and this was broadcast over New York City stations. Fisher and Lief again took the field for Cooper. As is the custom in radio discussions, no decision was made.

Two newcomers to the Debating Society, Charles Peterson and Frank Irwin, carried the colors to the halls of Stevens Tech. The decision was close, giving Stevens the nod, but they conducted the attack with meritorious skill and insight.

The entire debating season was thoroughly vigorous and commendable, giving ample support to the collegiate esteem in which Cooper Union is held.

Mr. Caldiero of the Humanities department acts as faculty advisor to the society. Carl Fisher and Bert Lief are current President and Vice-President respectively; Charles Peterson, Corresponding Secretary; and Frank Irwin, Treasurer.

camera club

That ephemeral group of shutter clickers, formally known as the camera club, once again began the year with plans for a busy season of photography and exhibits. The interest shown by the large numbers who attended the first meetings began to lag, though; and soon the attendance dwindled down to President Bob Maxwell and Secretary-Treasurer Joe Solomon. Tiring of talking to one another and addressing an empty classroom, the Thursday afternoon meetings were no longer called and the club now rests in a state of suspended animation.

The biggest problem of the lensmen, the ability of anyone at all to get into the darkroom without the use of a key, has been solved by the simple method of changing the lock. A major drawback for years, the new condition will allow more equipment to be purchased and safely kept, which it is hoped, will provide enough interest to rejuvenate the club.

By the way, if you see anyone looking frustrated because he can no longer enter the darkroom by picking the lock with a hairpin, kindly, tap him on the shoulder and tell him that he now can enlarge his girl friend's pictures legitimately by joining the camera club. The dues are only one dollar.

a. i. e. e.

The Electrical Engineering students of Cooper Union obtain a much broader view in the work of practicing engineering than purely academic studies could possibly give them. The student branch of the AIEE with the cooperation and encouragement of the Electrical Engineering department informs its members on such questions as job opportunities and the requirements for professional licenses. The program of the Society includes talks by graduated engineers on their field experience as well as informative films.

dance club

Promptly after the last class on Thursday afternoons, a group of students from both the Art and Engineering schools, who have not yet become completely fatigued by their day's chores, assemble in the basement lunchroom of the Foundation Building to dance away their fatigue.

Although it is usually difficult to drag the engineers away from their beloved books, the club is trying hard to get the schools to mix to a greater degree. Through the cheerful cooperation of the A.P. and the Alumni Association, the supply of records has been considerably increased—doubled, in fact.

An added attraction for the Night students is the regular visit of a professional dancing instructor. Even the least experienced of the club's members have learned many of the popular dances, including the Tango and the Samba.

Close cooperation between the clubs has enabled them to share both the record collection and the victrola.

Officers of the Day Dance Club are: Irving Begelman and Joan Asselin, Co-Presidents—Gloria Gebolt, Secretary and Charlie Peterson, Treasurer.

Night school officers are: Sylvia Mediasky, President—Doris Anger, Vice-President, and Stanley Goldstein, Treasurer.

glee club

Breaking the monotony of the numerous skits presented by artists and engineers on Class Night, Cooper Union's own Glee Club (consisting of golden-voiced tenors, fair-haired sopranos, intermingles with a few brassy basses and queenly contraltos) startled the assembled students with their harmonious and vibrant vocal chords. (We of the Glee Club call it singing.)

Early in the fall semester, with election of officers heading the agenda of important business, a meeting was held and the clearing smoke found the following students in office: President, Honey B. Soroko; Secretary, Donald Nelson. In addition to his many other duties, Professor Lancour of the Third Floor Library continued to supply the necessary guidance for the club in the role of leader and faculty advisor.

As in previous years, the Glee Club's activities have included Christmas carolling in the auditorium, serenading the potential graduates at Senior Teas, etc. It is rumored that plans for the future include a concert, as well as the many varied functions already performed by this busy organization.

math club

The latent mathematical potentialities that exist in most of Cooper Union's students are developed by The Mathematics Club of the Cooper Union School of Engineering, founded in 1920-1.

Heard at the various meetings were lectures on "An Introduction to the Calculus of Finite Differences" by David Jagerman, a branch of mathematics aimed at finding the sum of any given series of terms: "Vector Algebra" by Leon Nemerever, in two parts, a branch of mathematics whose immediate application to the study of Mechanics was brought out in the lectures; "Linear Diophantine Equations" by Harry Hochstadt, a fascinating study in the realm of "Number Theories." "Topology, or Rubber Sheet Geometry," by Eugene Wachpress, a lecture which held many surprises for the uninitiated.

The executive activities of the Club this year have been well supervised by Leon Nemerever, President, assisted by David L. Jagerman, Vice-President, Eugene L. Wachpress, Secretary-Treasurer and Harry Hochstadt, Chairman of the program committee. Faculty Advisor, Professor James H. Eastham has been of great assistance in insuring the success of the meetings.

a. i. ch. e.

The Cooper Union student branch of the AICHE helps acquaint prospective Chemical Engineers with the many aspects of this field which are not touched upon in their academic curricular. At its meetings, instructive movies are shown and often talks may be heard on phases of practical engineering. The AICHE also sponsors inspection trips of chemical plants. This year the AICHE renewed its traditions of holding a freshman reception. Its lampooning of the instructors and peculiarities of the department provided entertainment for upper classes as well.

L. to R. E. Mante, J. Smith, S. Fairchild, T. Snyder.



yacht club

The veteran, one-year old Cooper Union Yacht Club enjoyed a good measure of success after having embarked on their second season of intercollegiate competition in September. Their program was enlarged over that of the spring of 1946, and in their first meet of the season, Skippers Horn and Margolies, with Surko, Smith and Fairchild as crews, took the Middle Atlantic Association Member Championship from Drexel and Lehigh at City Island on October 6, 1946. Having brought Cooper Union its first intercollegiate championship since before the war, the team rested on its laurels in the subsequent meet with Kings Point Merchant Marine Academy, which was lost 137-83; and took a close second spot to Yale in a triangular event with Yale, Fort Schuyler and our own yachtsmen. The entire membership of the club took to the boats in one or another of these meets. An interesting winter was highlighted with talks by the skipper of the Bermuda race competition "Fun" and a Yacht Club exhibition held in the library lounge.

The members of the club cooperated with Professor Young in building a quarter scale model of a twelve foot dinghy, which is a prototype of the boat which the Cooper Union Yacht Club hopes to acquire. At the time of this writing, a very successful defense of the Associate Member Championship trophy is anticipated for the spring season.

Officers of the club for 1946-47 are Ted Snyder, Commodore; Fred Horn, Vice-Commodore; Alex Surko, Treasurer; and Ed Mante, Secretary.

Those of the student body who took advantage of the facilities provided by the club for the instruction of novices as well as experienced skippers, well realize the club's purpose. "To provide a chance for every Cooperite to go out and sail."

rifle club

The Cooper Riflemen at their weekly (very weakly) sessions, every Friday afternoon at the Manhattan School of Firearms have succeeded in practicing with a minimum of casualties. Under the heavy whips of Manager Howie Silfin, President Logan Ingram, and Captain Bob Cox, the squad has shaped up remarkably well for an inexperienced team. The Riflemen are members of the Metropolitan Intercollegiate Rifle League and has been competing in their scheduled matches with varying degrees of success. Despite some setbacks, the team spirit has been exceptionally good and is indicative of a successful 1948 season. Veterans of the squad include Bill Phillips, Bob Kalin, Hank Niese (the only artist in the bunch) and the Assistant Manager Herb Weidner. Later additions were Carl Apsley, Tom Sherrier, Joe Solomon, and Herb (Hotshot) Cohen.

This year the team has been seriously handicapped by a sad lack of facilities. While other squads in the Intercollegiate League have their own ranges and each man gets over four hours practice each week, the Cooper men are forced to rent a range and collectively spend only two to two-and-a-half hours a week practicing. As a reward to the boys for trying, the school is having a rifle range built at Green Engineering Camp so that the Nimrods will be able to kill each other without hurting any innocent bystanders.

chess club

Battles are planned, kings and queens may topple, yet no blood is shed. No, it's not a revolution, it's a chess game. Chess has intrigued many a student by its complexities, as the members of the chess club will attest. The club has offered many allurements to its members. In 1945, under the able guidance of Professor Hope, the club's faculty advisor, a tournament for the school championship was held. The members of the club were also given a chance to get back at the faculty in a student-faculty chess meet. The students won all the games, the teachers going down in ignominious defeat.

This year Mr. H. Liebeskind of the Chemistry Department has succeeded Professor Hope as faculty advisor. Not only has there been a tournament as in the previous years, but the leaders in the tournament will be given a chance to represent Cooper at chess. Among the many affairs sponsored by the club, there will be another student-faculty chess meet, in which the students hope to repeat the victory of the previous year.

The present members of the chess team are Milton Marder, Captain, Eugene Wachpress, co-captain, Charles Peterson, Edward Feldman, Robert Bassimir, and Donald Nelson.

dramatic club

The Great Hall has been the site of many stirring scenes, but the scenes stirred up by the Dramatic Club have really been something this year!

Professor Ralph de S. Childs, faculty advisor and elected Director of the club's plays, is largely responsible for the club's success. His apt handling of "amateur thespians" and equal adeptness at manipulating the scenery has made him indispensable.

The club's officers are: Mildred "Mike" Balunis, President; Donald Bartsch, Vice-President; and Gloria Wolf, Secretary.

The project of the fall semester was William Saroyan's "The Beautiful People," which was presented in December. While the audience's reaction was not entirely favorable, those who like Saroyan appreciated the actors' efforts to produce a play of somewhat different nature than the usual comedies enacted in previous terms.

During the spring term an even larger enterprise was undertaken. Three one-act plays were interpreted, this time under the direction of the students.

international students committee

Cooper Union has once again entered the international scene. This time in the form of the International Students Relations Committee, whose major purpose it is to make Cooper Union students conscious of student problems and activities throughout the world.

On November 20, International Students Day was celebrated in a special assembly program prepared by this committee. One of the reports made was a plan set up by the American delegates to Prague, to call a conference of students from all over the United States. These people felt a need for some kind of national students organization. The convention was called at the University of Chicago and over 300 colleges attended. Although Cooper Union did not send a delegate they did indicate their support by sending a telegram and a check for ten dollars.

Under the leadership of Jo Pizzo and Charlotte Schnapp the committee will undertake a fuller program for the coming semesters in continuing work towards an international-minded Cooper Union.

american veterans' committee

The idea for the formulation of an AVC chapter at Cooper Union came about during the summer, when a group of veterans agreed that there was a definite place for political thinking and activity in college.

At a Labor Day weekend at Green Engineering Camp, Sheldon Girsch presented the idea to the fellows and Professor Lancour, Librarian of Cooper Union, agreed to be the faculty advisor, at the same time becoming a member of the AVC himself.

It was decided to name the new organization "The Peter Cooper Chapter of the American Veterans' Committee." The officers elected for the fall semester were: Sheldon Girsch, Chairman; Panos Galidas, Vice-Chairman; Robert White, Secretary; and Marvin Dean, Corresponding Secretary.



sports . . . sports . . . sports

Top Row: S. Erde, G. Gardner, H. Siflin, D. Nelson. *Bottom Row:* R. Shapiro, G. Marin, Prof. J. C. Hollinger, S. Shapiro.

The Athletic Association, sports governing body at the Cooper Union, has once again taken its place at the head of the Athletic program of the school, thereby beginning a new era for the Athletic Association.

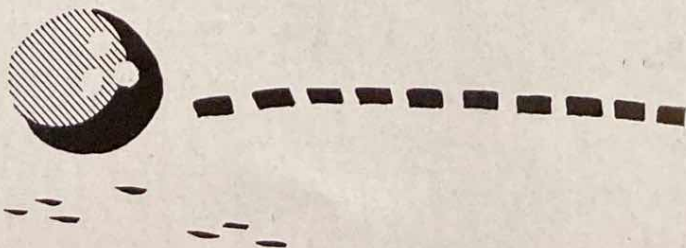
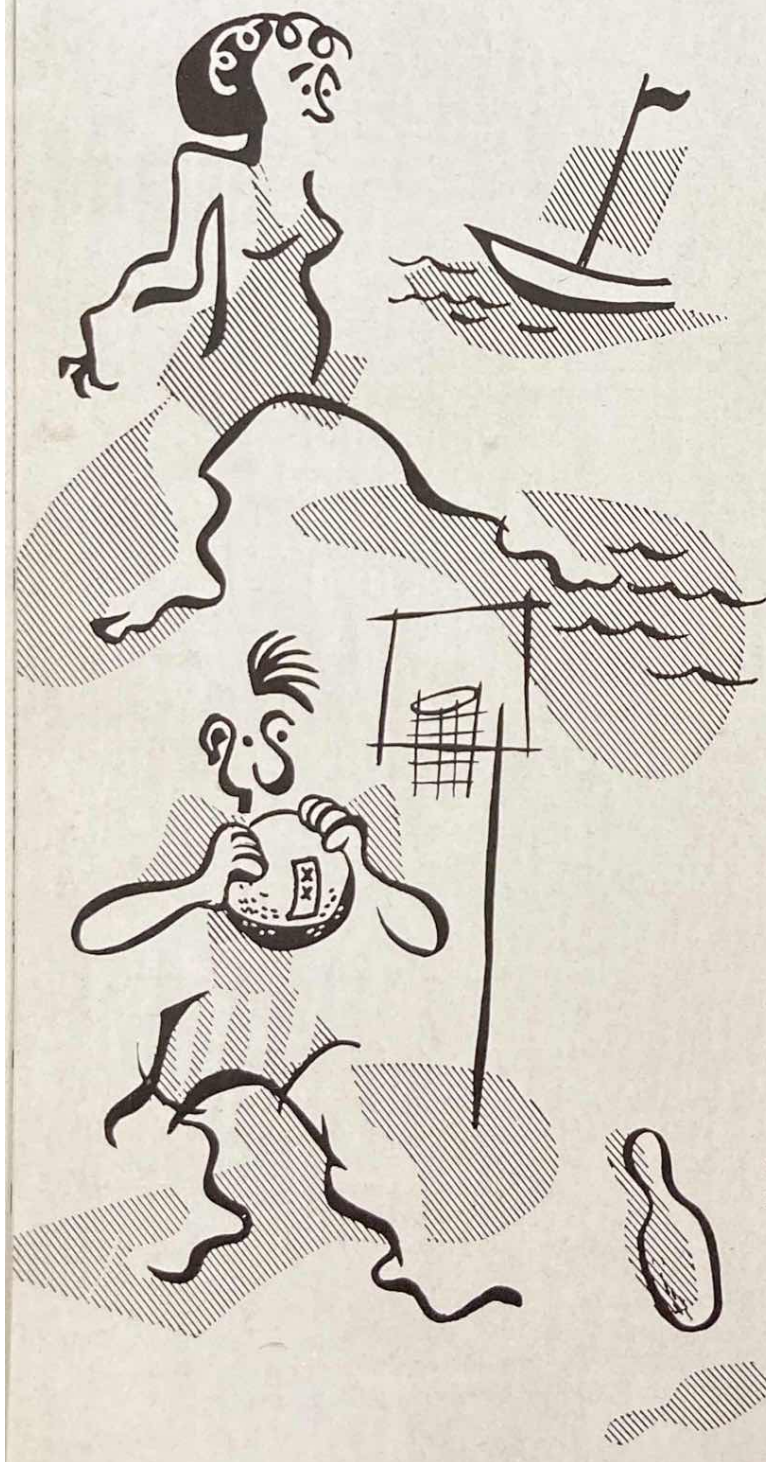
The Athletic Association was organized in 1935 by the students of Cooper Union to sponsor and conduct the intramural tournaments and varsity sports. During the war, however, the A.A. was forced to disband as the sports program in Cooper collapsed under the accelerated program.

The revival of the A.A. was begun early in October when a group of students interested in forming a sports governing body met with Professor Hollinger.

The old Athletic Association constitution was revamped by this group, and Gilbert Marin, manager of last year's successful intramural basketball tournament, was elected president. Bob Shapiro, manager of the bowling tournament, was elected vice-president, and Sol Shapiro, manager of the basketball tournament was chosen secretary-treasurer. Professor Hollinger consented to act as faculty advisor of the organization.

Cooper's entry into the varsity field was nothing short of sensational this year with twice the number of varsity teams competing as there were last year. The Rifle team has joined the Cooper Yachtsmen in representing our school in fields afar.

While the varsity teams were traveling to meet their opponents, the main student body were busy-ing themselves in several forms of intramural athletic bloodshed. Sam Erde's Volleyball Tournament ended in a flare of heated competition as semester 3 C.E.'s nosed out the L.S.K. team for the



sports...sports...sports ...sports

tournament championship. During the course of the tournament several individual stars were in evidence. Showing prowess in team work were Frank Kovanick, Normy Sacks, Murray Lester, Larry Rubin, and the Civil Engineer's trio of Erd, Gil Marin and Logan Ingram.

Came November and the volleyball was hocked for a bowling ball. With eight team entries, Bob Shapiro had an exciting tournament on the Kennan Alleys. The tournament featured many upsets and closely contended matches. Throughout the matches it was obvious that the O.D.P. team was by far the best in the tourney, and after routing all opposition came through to capture the title. A few of the major upsets were the L.S.K. win over the Pioneer, the Civil Engineers over L.S.K. and the lowly rated Electrical Engineers over the high flying C.E.'s. The first Cooper Kegler to break into the 200 club was Joe Deare with a sizzling 219. Other consistently good bowlers were Sheldon Girsch, Howie Miller, and Fred Verity.

At this writing the basketball tournament, under the able management of Sol Shapiro, is getting under way. It is expected that the competition will be every bit as keen as it was last year. During the latter part of the school year, Gerry Gardner is going to introduce a softball team that should rival the Major Leagues in the interest it will hold here in Cooper. Concurrently with the softball competition, the handball doubles tournament, managed by Donald Nelson, will hold a reign of athletic activities till the end of the school year.

Of great aid to the students in running the various activities were Prof. Hope, Faculty Advisor to the Rifle team, Prof. Young, guiding hand at the helm of the Yacht Club, and Prof. Hollinger, who has kept all the sports coordinated throughout the school. The activities of the past year are indicative of an increasing trend toward athletics at Cooper. Here's hoping that this trend continues for many years to come.



Silver "C"

Murray Bornstein
Jay Golden
June Goldstein
Harold Grossman
Pearl Katz
Walter Landaaur
Gilbert Marin
John T. Selldorff
Samuel Smookler
Donald Weinblatt
Robert White

Gold "C"

Mildred Balunis
Donald Burgess
Arthur Eisenberg
Sam Erde
Sally Fairchild
Cyril Freeman
Albert Greenberg
Henry Hirsch
Jonas Harrison
Gerald Lieberman
Sylvia Medaisky
Joe Pizzo
Ruth Resnicow
Peggy Reynolds
Eli Rubin
Elsie Sakalian
Charlotte Schnapp
Robert Shapiro
Sol Shapiro
Howard Silfin
Julius Simkins
Arline Simon
Morton Tanenbaum
Jerry Vidibor

honor awards . . honor awards . . honor awards

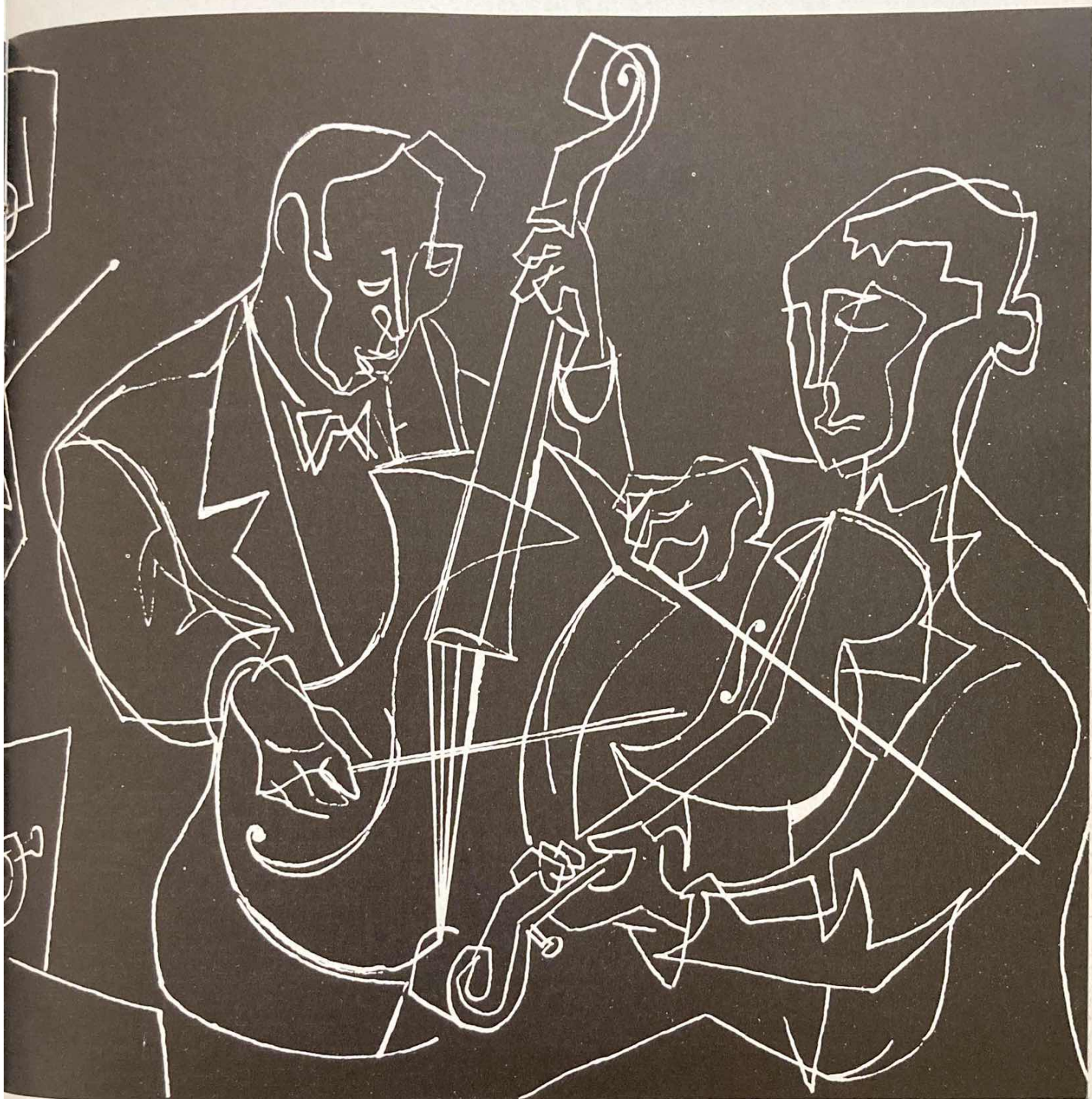
Major "C"

Rob't. L. Cox
Rob't. P. Kalin
Logan J. Ingram
Joseph H. Solomon
Wm. T. Phillips
Thos. A. Sherrier
J. Carl Apsley
Herbert S. Cohen
Henry B. Niese
Howard Silfin
Fred Horn
Alex Surko
Ed Mante
J. Thos. Selldorf
Irv. Margolies
Wm. King





fraternities . . . lambda sigma kappa



ex post facto . . . tau beta pi . . . lambda tau



Top: N. Axelrad, L. Hattem, C. Herr, A. Solnick, J. Solomon, R. Warshaw, E. Rubin, F. Verity. *Second Row:* L. Gabrilowitz, R. Wengraf, J. Gonick, D. Chilton, G. Gardner, J. Greene, L. Ingram, M. Lester. *Third Row:* H. Blumberg, G. Marin, M. Helfman, R. Bowden, E. Cohen, T. Aster, R. Levy. *Bottom Row:* I. Singer, M. Bornstein, F. Delters, R. Heins, F. McClintock, L. Smith.

american society of civil engineers

The Cooper Union Student Chapter of the American Society of Civil Engineers has made this year the most ambitious and eventful in its history. With the return of former members from the service and the induction of the numerous sophomore C.E.'s into the Chapter, added impetus was given to its plans of enriching the life of the Civil Engineering student at Cooper Union by acquainting him with the aspects of his profession that are not part of the engineering school curriculum.

Foremost among the Chapter's achievements is the revival of the Conference of Metropolitan Chapters of the ASCE, an organization of the chapters of the Society in eight colleges in the New York area which had been dormant for the past few years. The initiative in reviving the Conference was taken by Frank Delters, president of the Chapter, who, with Murray Bornstein, the Chapter secretary, became the Chapter's delegates to the Conference and eventually its officers, serving as chairman and secretary-treasurer, respectively. The first problem to which the Conference turned its attention was the student chapter conference in conjunction with the annual meeting of the ASCE in New York in January, to which all student chapters in the East were invited. The success of this conference is indicative of the future success of the Meropolitan Conference in planning similar professional and social affairs among its members.

In conjunction with the faculty of the Civil Engineering Department, the Chapter conducted the freshman reception which served to introduce freshman C.E.'s to the classmates and teachers with whom they would spend the next three years. The reception, planned and carried out by a special committee which was greatly aided by the wives of faculty members, featured a talk by Dr. David B. Steinman, noted consulting bridge engineer, on his book, "The Builders of the Bridge."

Other programs held by the Chapter included a talk by Dr. O. Ammann, former Chief Engineer for the Port of New York Authority, on "The Bridges of New York;" a paper by Frank Delters on "The Engineering Solution of Personal Problems;" and a paper by Murray Bornstein on the construction of the West Point Dam.

The future plans of the Chapter include several field trips to points of engineering interest in the New York area, as well as a program of social activities in cooperation with other chapters.

Top: E. Wagner, S. Tanenbaum, B. Lichtenstein, H. Silfin, H. Hirsch, W. Smelnick, A. Wertheim, G. Lieberman. 2nd: J. Karsch, A. Perranio, E. Greenberg, H. Becker, E. Oppenheimer. 3d: L. Nemerever, M. Teitelbaum, Prof. Vopat, C. Levanis, N. Pepper, H. Herman. 4th: E. Kohn, J. Shifman, H. Wells, I. Landau, H. Weidner, A. Tepper, S. Becker, S. Ippolito. Bottom: H. Brody, S. Macklis, H. Evers, G. Rothmaler, H. Wald.



american society of mechanical engineers

Having suffered mightily during the war years because of the small number of students in the Mechanical Engineering Department, the ASME was rejuvenated in the fall of 1946 by the increase in enrollment of returning veterans. At the first meeting the following officers were elected:

ChairmanMarvin Teitelbaum
 Vice-ChairmanHenry J. Wald
 TreasurerRobert Shapiro
 Faculty AdviserProf. William A. Vopat

Committees appointed by the chairman were the most energetic in years, with yeoman work being done by Walter Smelnick, who planned the programs for each meeting, and Stanley Macklis, chairman of the Annual Christmas Dinner. Tradition has been built up for more than two decades at these annual dinners, where ME alumni gather to meet and recall days of yore. Particularly noteworthy were not only the succulent morsels of turkey supplied by Nikolaus Chop House, but also the succulent morsels of pleasantries supplied by Prof. Embler, speaker of the evening.

In February the Cooper Chapter was active among the Metropolitan A.S.M.E. Student Council, the purpose of which is the discussion of problems which are common to all the chapters and the exchange of information which can be used by all of the members. Although the council is still young it also looks forward to successful endeavor in the social field, where M.E.'s can get together in the spirit of good fellowship, in contrast to the technical interests which are usually their common bond.

The delivering of technical papers by student members on subjects of general interest in the mechanical field was a feature of the spring meetings. The outstanding ones were considered for the competition held at the metropolitan spring meeting where a Cooper man was awarded a prize last year.

Several joint meetings were held with the other professional societies during the course of the school year, but the ASME considers this past year just a beginning of a post-war program, with the hope of expanding more widely on its own next year.

What good is the Alumni Association? That is the question most frequently asked by students . . . and particularly Seniors. What good does it do? What can it do for me? Why should I join it?

The basic answers to all these questions is given by Peter Cooper in his letter accompanying the Deed of Trust: "I desire to make this institution contribute in every way to aid the efforts of youth to acquire useful knowledge, and to find and to fill that place in the community where their capacity and talents can be usefully employed with the greatest possible advantage to themselves, and the community in which they live." The purpose, then, resolves itself into three parts; to help each other; to help the community; and to help the Cooper Union.

To carry out these aims, the Alumni Association has established a clubhouse where the old and the young alumni can meet, become acquainted with each other, and learn each other's problems. We perpetuate the intention of the Founder. Through our Board of Governors we influence the affairs of the community.

For the purpose of assisting graduate engineers in obtaining their professional licenses, we have established a school for graduate engineers in our club house. Its chairman is Mr. Joseph Rofman, an experienced engineer of the class of 1928. We also have a monthly lecture program attended by many alumni. At these meetings, alumni prominent in their particular fields discuss the newest phases, theories, and practices used in present-day architecture, chemistry, and engineering. Mr Charles Goodman, a well-established engineer of the class of 1905, is the chairman of the Lectures Committee.

Post-war activity is finding us well prepared to place our members in their chosen field of endeavor through our employment service. This service has been firmly established with many engineering and manufacturing companies, and is handled by our executive secretary, Miss Betty Shaaker.

The facilities at the club house include a game room and a lounge besides a mailing address in New York for those of our members who find it convenient.

These are only a few of the many services offered to the alumni of the Cooper Union. Naturally the Alumni Association hopes to do much more. It wants to see that The Cooper Union continues on its path to greater heights; it wants to secure general public recognition of Cooper Union achievements; it wants, always and most of all, to assist the graduate to arrive at a position where his abilities are put to the greatest usefulness. Through group activities the Alumni Association wants to become the powerful influence in the community that Peter Cooper dreamed would be able to improve economic and political conditions.

It is only through our new members, young blood with high ideas and high purpose, with resolutions and courage to fight for their ideas, that we can rise to new heights. Each and every student and every graduate should feel some gratitude for the benefits he received at The Cooper Union. To show that gratitude he will want to do something for Cooper and for the world. We hope that through the Alumni Association, he will be able to add his bit. When all of the "bits" are taken together, they make a mighty force.

New ways of expressing our gratitude, satisfying our real needs, correcting urgent dissatisfactions, improving existent methods are the constant aims of the Alumni Association. "If you do not think that what we are doing is the best way, tell us. Tell us how to do it. We are anxious to learn. We are anxious for you to join us. Join us and help us in the way we are going, or show us a new way. In any case join us.

Carl Bussow, Chem. '22
President

Joseph Rofman, G.S. '28
First Vice-President

Fred Caiola, G.S. '17
Second Vice-President

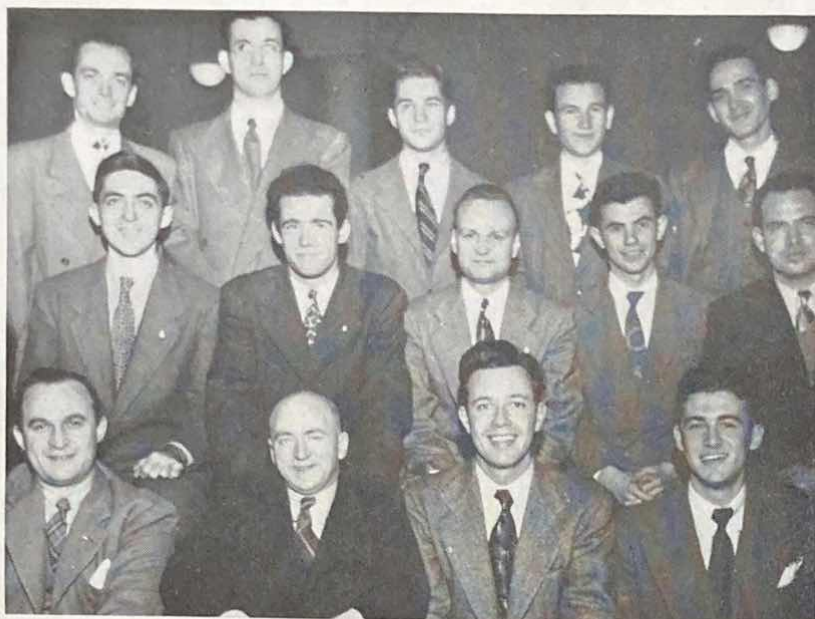
W. O. Christ, M.E. '42
Secretary-Treasurer

L. Morrison, Ch.E. '43
Editor-in-Chief

alumni association . . . alumni association



L. to R. W. Christ, F. Caiola, C. Bussow, S. Morrison, J. Rofman.



L. to R.: H. Ennis, L. Radlow, M. Bornstein, M. Schwartz, J. Yago, D. Bernstein, I. Spiewack, R. Bruckman, J. Bentkowsky, S. Cooper, F. Delters, N. Walker, M. Teitelbaum.

IOTA OF NEW YORK

Undergraduate Brothers

Tore Anderson
 Jerome Bentkowsky
 Alexander Berger
 David I. Bernstein
 Murray S. Bornstein
 Maurice Brooks
 R. W. Bruckmann
 A. P. Chletsos
 Silus H. Cooper
 Frank Delters
 Herbert E. Ennis
 Tyler G. Hicks
 Arnold R. Kelly
 Michael J. Kleczek
 Irwin Landau
 Walter E. Landauer
 John J. Marshall
 Meir Menes
 Lazarus Radlow
 Peter Sichel
 Irving Spiewak
 Eric Sumner
 Marvin Teitelbaum
 Nelson Walker
 Mitchell Weiss
 Walter Welkowitz
 John G. Yago

tau beta pi

Faculty Brothers

George F. Bateman
Dean, The School of Engineering

Frederic H. Miller
*Professor and Head of
 Department of Mathematics*

William A. Vopat
*Assistant Professor of
 Mechanical Engineering*

Louis Brooks
*Instructor, Department of
 Mechanical Engineering*

Seymour Levander
*Instructor, Department of
 Electrical Engineering*

A long cherished dream of The Mu Alpha Omicron became a reality when on January 11, 1947, the Cooper Union Engineering school scholastic honor society became the Iota chapter of New York of Tau Beta Pi, the national engineering honor society. Over 130 members of MAO were inducted into Tau Beta Pi at the initiation dinner attended by the national officers of Tau Beta Pi and representatives of neighboring colleges.

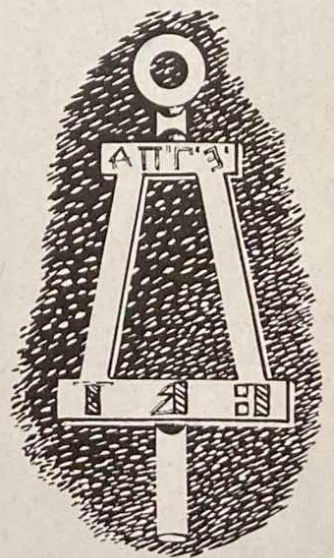
The petition for a charter from Tau Beta Pi, first presented in 1943, was finally approved at the first post-war convention of the parent society. Representing Cooper Union at this affair were Walter Landauer and Samuel Dixon, an alumnus who contributed much to the success of the petition. Other Beta members of what formerly was MAO who deserve mention for their hard work are Alan Sielke, James H. Mulligan and William Shanahan.

Mu Alpha Omicron was founded in 1926 "to afford recognition to students of such outstanding scholastic ability, character, and breadth of vision as to command the respect of others." The first chancellor and one of the MAO charter members, Professor Frederic H. Miller, is also a charter member of the Iota Chapter. Others among the charter members of the Iota Chapter are Dean George F. Bateman, Professor William Vopat of the mechanical engineering department, a former chancellor of MAO, and Emanuel Salma, formerly an instructor in the mechanical engineering department and now an assistant professor at New York University.

The present officers of the chapter are Reichert W. Bruckmann, president; Walter E. Landauer, vice-president; Irving Spiewak, corresponding secretary; Walter Welkowitz, recording secretary; Mitchell Weiss, treasurer; Jerome Bentkowsky, cataloguer.

The chapter's chief activity is its annual summer tutoring program, in which students are prepared for re-examinations in the fall. The high percentage of passing grades attests to the usefulness of this program.

tau beta pi . . . iota of new york



omega delta phi . . . omega delta phi

In 1903 a group of seven Cooper Union night engineering students formed a brotherhood to strengthen and preserve their friendships. This group, which in 1913, was incorporated as the Omega Delta Phi Fraternity Inc., has been in continuous existence since that time.

During the war the Fraternity was forced to curtail its activities somewhat, due to the great numbers of fraters that served with the various armed services. This year, however, has seen a tremendous increase in the activity of the Fraternity due to the return of our brothers from the far flung corners of the earth. The Fraternity provides outlets from the academic life by a calendar of many activities such as stag smokers, parties, and athletic tournaments. The high points of the social season are the fall and spring formals held at leading hotels in the city. For many years it has been traditional for the Delta Chapter to hold a Frater-Pledge party which is planned and run by the Pledges.

In the fall and in the spring the Fraters and their girls pile into some far too small cars and reacquaint themselves with fresh air and sunshine. In June of each year, as a fitting close to the academic year an annual convention is held, which is attended by all chapters and the Alumni members of the Fraternity. The last convention was held on the Adolph Zukor Estate, New City, N. Y.

The blackboards of the "little room" get hard usage during the entire term in the help classes conducted by fraters for pledges who need scholastic help. The musicians are always attracted to the piano during the get-togethers. It seems to hold together despite all known laws of Physics.

The Fraternity has always been conveniently located at 4 St. Marks Place.

No one seeking friendship is ever turned away.

Chapters:

Alpha

Cooper Union Night

Beta

Brooklyn Poly

Delta

Cooper Union Day

Epsilon

Brooklyn College



Top Row: J. Nolan, R. Spann, A. Romagnoli, G. Rothmaler, C. Michelini, F. O'Driscoll, C. Herr, R. Krank. *Middle Row:* E. Norman, F. Horn, H. Miller, R. Horky, V. Williams, B. Byrne. *Bottom Row:* E. Trunk, F. W. Miner, C. Rohmann, P. Parisi, A. Pawlak.

omega delta phi

Fratres in Collegio

Howard Miller
Fred Horn
Raymond Horky
Edward Norman
Bernard Byrne
Theodore Hein
Frank Miner
Edmund Trunk
Victor Williams
Paul Parisi
Arthur Kelman
Craig Garretson
Charles Rohman
Robert Frank
Edward Lassen
Robert Hockenjos
Nicholas Xikes
John Erickson
George Misson
Herman Berger

Fratres in Servico

Stanley Krumholz
Dion Haring
Robert Foss
Jules Chaboty
Arthur Zahradnik
Frank Koniges
George Mueller



Chancellor
Sam Smookler
Vice-chancellor
Alphonse Normandia
Recording Secretary
Elliot S. Kohn
Corresponding Secretary
Murray Greenberg
Treasurer
Arthur H. Klein

lambda tau

Seated L. to R.: S. Girsch, B. Morton, N. Pepper, R. Resnicow, J. Goldin, R. Reiman, W. Landauer. 1st Row: P. Galidas, H. Dombrowski, T. Selldorff, G. Marin, H. Hirsch, E. Kohn. Back Row: D. Burgess, A. Normandia, B. White, M. Greenberg, I. Spiewak, Murray Bornstein.



No fraternity, no social group can rival the camaraderie which has grown up within the PIONEER staff. In the process of publishing a newspaper friendships are made which far transcend the responsibilities of page makeup and news writing.

Lambda Tau, founded in 1935 as an honor society for members of the PIONEER staff, has in recent years become the center of social life for members of the staff—and their friends. Its non-exclusiveness, the lack of any sort of ritual or fraternity secrets, and the fact that anyone who cares to can attend Lambda Tau business and social meetings make it the antithesis of what is commonly associated with fraternity life.

During the war years, Lambda Tau performed a valuable service to former PIONEER staff members and their friends in the service by mailing over a hundred copies of a monthly "Newsletter" to all corners of the earth. Ruth Reiman and Betty Morton served as editors of the project started by Walter Landauer.



L. to R. C. Hubert, J. Guarracini, A. Frascella, F. Diemer, H. Egan.
 1st Row: R. Parsekian, J. Dewender, J. Johl, L. Korosy, J. Swatko, J. Graham, V. DeGennaro, G. Henrich, R. Hermida. 2nd Row: G. Geisenhainer, C. Gallaer, G. Smith, J. Cubero. 3rd Row: S. Metcalfe, T. Harding.



ALPHA
Cooper Union
 BETA
Newark College
 GAMMA
N. Y. University

phi sigma omega

The aim of the Phi Sigma Omega Fraternity since its founding twenty years ago has been to promote fraternalism among the night engineering students. The nerve center of the fraternity activities is the Fraternity House at 31 East Seventh Street. Here the brothers can meet to discuss and decide questions relating to themselves and their work; to study in peace, with a helping hand always available; or to completely relax before the evening's work begins. The Fraternity House also serves as the setting for the various social functions held throughout the year.

The friendships here formed outlast the school year and summer-time finds the brothers together in such activities as camping trips, hikes, picnics, and boat-rides. That fraternalism has truly been achieved is proven by the fact that the bonds begun here are continued after graduation and carried into professional life.



Top Row L. to R.: S. Shapiro, D. Young, W. Hershleder, S. Tenenbaum, H. Hirsch. *Middle Row:* L. Rubin, R. Shapiro, S. Macklis, F. Verity, J. Bentkowsky, S. Tanne. *Bottom Row:* L. Naphtali J. Friedman, D. Pearlman, M. Lester.

Fratres in Facultate
 Prof. J. M. Peterson
 Prof. H. F. Roemmele
 Prof. H. W. Merritt
 Prof. W. A. Vopat

Fratres in Collegio
 Jerome Bentkowsky
 Ralph Braca
 Leon Chavkin
 Jacob P. Friedman
 William Hershleder
 Henry Hirsch
 Arnold Kelly
 Irwin Leitner
 Murray Lester
 Stanley Macklis
 Leonard Naphtali
 Donald Pearlman
 Lawrence Rubin
 Robert Shapiro
 Sol Shapiro
 Sol Tanne
 Sol Tenenbaum
 Frederic Verity
 Donald Weinblatt
 David Young

Fratres in Servizio
 William P. Beck
 George E. Wrage

lambda sigma kappa

This fraternity, from its founding in 1905 to the present date, has as its basis the equality most rare among college fraternal organizations—non-sectarianism. This tenet of the Fraternal Code permits the induction of brothers on the basis of character and scholarship without limitations on their race, creed, and color. The fruits of this practice are evidenced in the enviable record established by the brothers of Lambda Sigma Kappa in all phases of activity.

The dances, parties, camp groups, boat rides, smokers, and beach parties, curtailed during the war by the accelerated program and reduced membership, have returned with the end of the war and the influx of members returning from the service. Escape from work and women make the Friday night meetings a source of pleasure to the brothers. It is curious that these night long sessions usually involve the recounting of individual troubles, discussion of girls in general and particular, and solution of tough homework problems.



*FRATERS IN
COLLEGIO*

Prior

Morris Shane

Vice Prior

Irving Stern

Exchequer

Ralph Orenstein

Scribe

Edwin Greenberg

Sidney Chipkin

Morris Papish

Isadore Pizetzner

Max Stark

alpha mu sigma

Upon the return of the above eight fraters from the armed forces, AMS was reactivated in Cooper Union. With infinite perseverance, they finally acquired a fraternity house and are now well on their way towards reestablishing the fraternal bonds which welded them together in the past.



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Harold Grossman
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Jerry Vidibor
Vice-Chairman

Rheita Schreiner
Secretary

Julie Simkins

Elizabeth Reiman

Victor Lieberman

Edwin Cohen

Jean Spitzer

William Hershleder

Jerry Bentkowsky

ex post facto

Membership in the Ex Post Facto is an honor bestowed upon those members of the CABLE staff who have made personal sacrifices of their precious free moments, to lend their untiring efforts to the task of editing and printing the CABLE. To quote Bud Medon, editor-in-chief of the 1940 CABLE, "Those who remain are workers, those who resign are shirkers!"

As in the past, the process of separating the wheat from the chaff again cut down the number of the staff members to a small but diligent few soon after the beginning of the term. These have accepted willingly the challenge of the press and, have sacrificed time and energy to help make the CABLE what it is. They are quite willing to endure the long hours of typing and clerical work when they might, like other less interested students, be home doing their homework. That is, however, the sacrifice required of all who would take part in extra-curricular activities.

The Ex Post Facto Key is a treasured reminder to the wearer of time well spent, and efforts not made in vain, and is the coveted goal of all staff members.



Top: V. Lieberman, E. Reiman, J. Simkins. Bottom: J. Vidibor, R. Schreiner, H. Grossman.

Art Staff

Al Blaustein
Sylvia Blumstein
Donald Burgess
Jean Cohen
Bernadine DiYulio
Louis Finkelstein
Mary Freiman
Haskell Heimlick
Victor Liebowitz
Alphonse Normandia
Robert Stoller
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Margaret Ferrarie
Irwin Glusker
June Goldstein
Jose Gonzales
Connie Grisolini
Bernard Hillman
David Jagerman
Shirley Jahr
Pearl Katz
Arthur Klein
Walter Landauer

we acknowledge

Now that all is completed, we wish to express our deep appreciation to all those who have given so generously of their time, help and general advice in the preparation of the 1947 CABLE.

We are especially indebted to Mr. Gladstein, Anita Serbrinsky, Sylvia Gould and staff of The Eastern Printing Company for their co-operation in putting these "words and pitchers to press"; to Miss Carma Johnson of Boro Engravers for her most patient and understanding way in helping to give the 1947 CABLE a very satisfactory set of halftones and linecuts; to Loretta Von Salzen, Lillian Edinger and photographers of Wanamaker's Photo Reflex Studios; to Mr. Farmer and the lettering instructors for their aid in typography and cover design; to Mr. Barnet and Prof. Dowden for their invaluable assistance that helped us overcome our art work selection and layout problems; to Miss Carbon, Mr. Thompson, Joe, Carl and the staff for their assistance in the use of the building at odd moments; to Mr. Wren, Dean Bateman and Dean Vaughn for their assistance in business matters and in cutting much obstructive red tape.

Of course, there are the countless numbers of individuals, who, each in his own way assisted us in the acquisition of writeups and who spoke their mind on how a yearbook should be. To them and all our other friends, we wish to express our sincerest gratitude, for we realize without these individual touches, the 1947 CABLE would not be what it is.

Bertram Lief
Donald Nelson
Milton Marder
Gilbert Marin
Peter Marra
Sylvia Medaisky
Lorraine Mosely
Henry Niese
Mary Rankin
Elizabeth Reiman
Josephine Pizzo
Eli Rubin
Charlotte Schnapp
Thomas Selldorff
John Seneres
Sol Shapiro
Howard Silfin
Irving Spiewak
Herbert Wagner
Leonora Weiss
Molly Zimmerman

Corn Exchange Bank Trust Company

ESTABLISHED 1853

REPORT OF CONDITION

At the Close of Business, December 31, 1946

ASSETS

Cash in Vaults and Due from Banks	\$203,310,350.42
U. S. Government Securities	538,494,494.81
(\$36,318,335.44 pledged to secure deposits and for other purposes as required by law.)	
Federal Reserve Bank Stock	1,050,000.00
State, Municipal and Public Securities	8,830,398.89
Other Securities	1,077,449.65
Loans and Discounts	76,767,736.91
First Mortgages	2,259,865.02
Customers' Liability on Acceptances	718,394.05
49 Banking Houses	7,798,469.69
Other Real Estate	1.00
Accrued Income Receivable	2,123,215.87
Other Assets	248,204.35
	<u>\$842,678,580.66</u>

LIABILITIES

Deposits	\$797,906,052.58
(Includes \$15,607,209.71 U. S. Deposits)	
Acceptances Outstanding	\$1,086,663.73
Less: Held in Portfolio	92,244.42
	994,419.31
Reserve for Taxes, Expenses, etc.	1,737,364.64
Capital	15,000,000.00
Surplus	20,000,000.00
Undivided Profits	7,040,744.13
	<u>\$842,678,580.66</u>

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